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TI-99/4A

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As always, your suggestions are appreciated. Remember, our business depends on your satisfaction.

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UCSD, UCSD PASCAL, p-SYSTEM: Regents of the University of California
3M, SCOTCH: 3M Company
CP/M: Digital Research Corporation
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Our Customers Speak

Many of our customers have let us know what they think of our products, service, catalog, and telephone technical assistance. Here are a few comments taken from our correspondence file:

"I have been most impressed with your organization and pleased with the merchandise I've ordered... Be assured that I will be placing future orders with you." -Iowa

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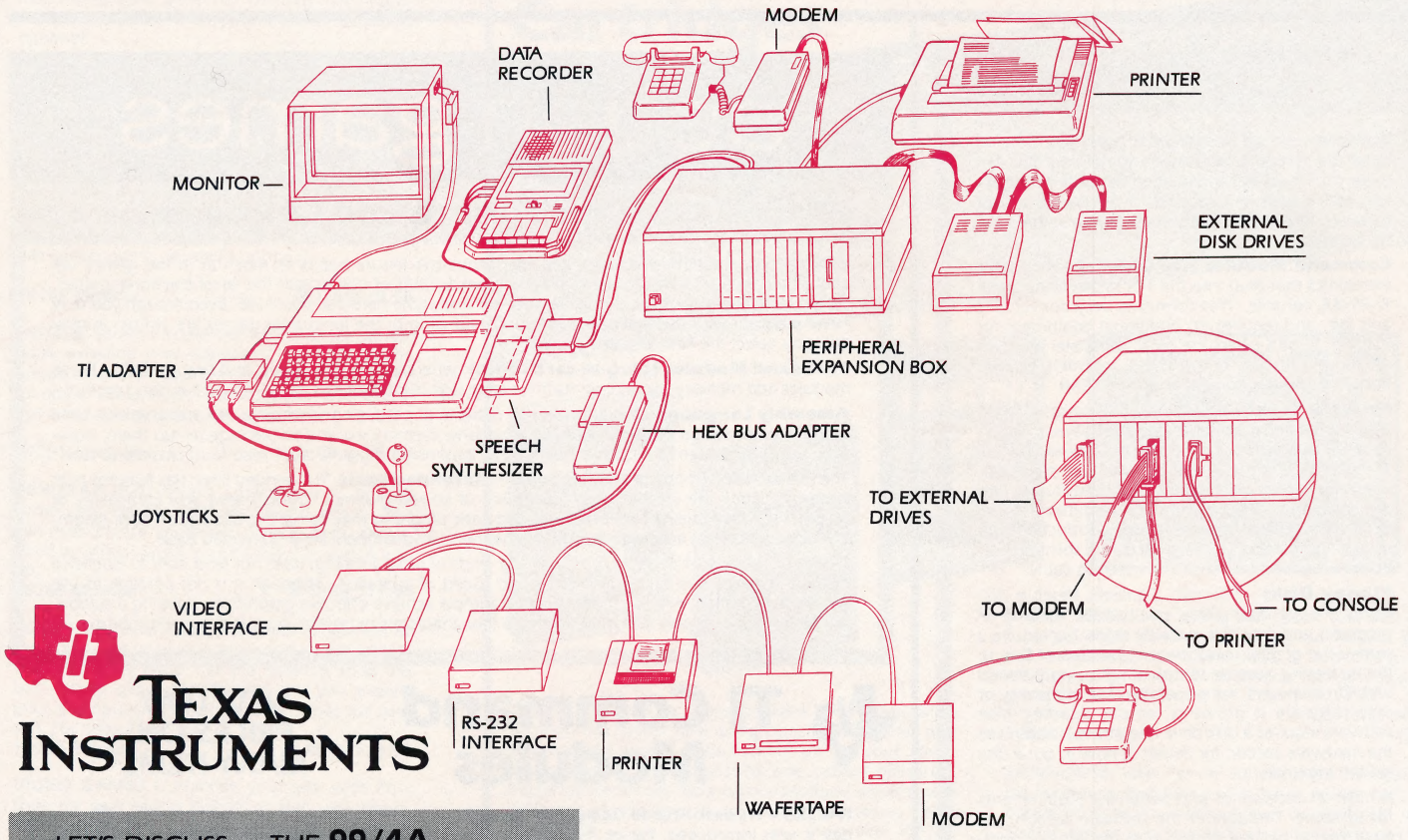
YOUR 99/4A SYSTEM AT A GLANCE....



TEXAS INSTRUMENTS

LET'S DISCUSS... THE 99/4A

TI has put together an excellent combination of economy and utility in the powerful 99/4A console. After a simple connection to a TV you are ready to advance the education of your entire family in areas from accounting to zoology, or simplify your financial and budget management, or learn more about programming, or just have fun with the many action and adventure games.

As you grow more impressed with your "computer advantage," your system can also grow with the addition of specialized devices (peripherals) which allow you to develop a very powerful system specifically tailored to your needs.

You don't need to know a thing about how a computer works to fully enjoy the TI system, but the basics are really simple and do help you visualize how the system works. The computer is dumb, but very fast. It has to be supplied with all the information it needs. This information is in the form of data (letters or numbers you want manipulated) and instructions (telling exactly how you want the data manipulated). A set of instructions is called a program, and you can do it yourself or buy programs (software) that do what you want.

Inside the 99/4A console, this information is represented as groups of "on" or "off" electrical signals (bits), and is stored in electrical circuits appropriately called "memory." The microprocessor is a circuit that actually executes the program and manipulates the data. It does this by pulling information out of the memory, changing it according to the instructions in the program, and putting it back into memory (or a TV, printer, etc.). Information is moved around in groups of eight bits called a byte. The TMS 9900 microprocessor can simultaneously move 16 bits and is much faster than the 8 bit microprocessors of the other computers in its class.

A computer's capacity for information depends on the size of its memory. In the 99/4A console the memory can store 16,000 (or 16K) bytes of program or data information. This is called the random access memory (or RAM) because you can put in or take out whatever information you wish. There is also 26K bytes of read-only memory (or ROM) that contain fixed instructions. The ROM is a library, supplying information to the microprocessor on how to generate sounds and graphics, etc. The ROM also contains the simple, but powerful, programming language BASIC. This allows you to do your own programming, if you wish, without any additional equipment.

See the appropriate section for more detail.

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TEXAS INSTRUMENTS

Software

LET'S DISCUSS... SOFTWARE

Software is the set of instructions that you need to make the computer actually do something. You can write your own, but it will often be more economical, convenient, or practical to buy ready-to-use software. The TI 99/4A accepts software in three basic formats:

Command Modules (Cartridges)—solid state electronics that plug into the slot in the front of the TI-99/4A console. This format is very convenient and fast, and requires no additional equipment for loading. TENEX offers the most complete selection of plug-in software for the 99/4A, including all titles from TI, Funware, Romox, and Thorn EMI.

Cassette Tapes—standard audio cassette tapes playable on most portable cassette players. This is currently the most popular form of software for the TI-99/4A, due primarily to the low cost of the equipment needed to load cassette based software into the computer. TENEX offers the complete TI line PLUS hundreds of independently produced, high quality programs. Loading cassette software requires a cassette player and connecting cable.

Floppy Disks—5¼ inch diameter flexible diskettes. Floppy disks allow much faster loading of programs and data than cassette tapes, but require a somewhat greater investment in hardware. Due to the increasing number of disk drives being installed with TI computers, the popularity and availability of disk software is growing rapidly. Loading disk software requires a disk drive and disk controller; see the hardware section for details of how to put a disk system together.

A note on accessories and peripheral requirements for software: Throughout the software section, we have tried to be very explicit as to the items in addition to the computer console itself needed to run the program, e.g. Extended Basic, Disk System, etc. All programs (other than Plug-in Cartridges) will require either a cassette or disk system to allow them to be read into the computer. Wherever possible, we have tried to offer programs in both cassette and disk formats—in some cases, however, the operating characteristics of the program may dictate availability only in one format.

Joysticks are optional for many game programs, but may increase the playability. Games where most motion is mainly one dimensional, like TI Invaders and Parsec, can be played readily with the keyboard. Action games where motion is controlled in four directions like Munch Man, or eight, like Amaze-ing, are difficult to play well from the keyboard (although some players do indeed master keyboard control), and joysticks are preferred. In addition to the TI joysticks, Tenex also offers high performance, arcade quality joysticks and "Trackball" controllers from WICO. Check the hardware section for details.

*

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*

action games

LET'S DISCUSS... Game Formats and Languages

Nowhere has modern electronics impacted America's leisure habits as much as in the games we play. Video arcades thrive today as players plunk billions of dollars into the latest electronic games. Whatever your taste in games may be, you will find some here that you'll like. Even though you may never program your own games, a little understanding of the languages games are written in may help you select the kind of game you like.

Command Modules (plug-in cartridges) generally offer the fastest and best graphics. These modules add memory containing machine language instructions to the computer's existing memory.

Assembly Language programs are also capable of producing superior speed and graphics. Until recently, one needed the comparatively expensive memory expansion package to run them; however, the TI Mini-Memory module now allows assembly programs to be read from cassette or disk.

The real workhorse of most action software is **Extended Basic**. TI Extended Basic has features built in that facilitate the creation and movement of screen graphics. Good speed and complexity of graphics can be achieved; the best Extended Basic programs may be hard to distinguish from Assembly Language. Most action games by independent programmers are in Extended Basic.

TI Basic, while a very usable tool for many kinds of programming, does not lend itself to extensive moving graphics due to its commands and speed of operation. Although it is not possible to use arcade style motion in TI Basic, many game authors achieve effective graphics by building a stationary background, display and moving only a few characters or objects against that background.

TI Command Modules

NEW LOW PRICES ON MANY ITEMS

PARSEC—TI's Best Arcade Game! A hit from the day it was introduced, Parsec may be the most exciting and addictive of all TI arcade games. Waves of different invading ships attack you against a moving backdrop of stars and a dramatic alien landscape. Multiple levels of difficulty.

18208 Module ★ **Only $19.95**

MUNCH MAN. A great pursuit game in which four Hoonos chase your Munch Man through a maze, while you try to place chain links through all the passageways. Gobble up an energy pellet, and you get to chase the Hoonos!

18158 Module ★ **Only $19.95**

A-MAZE-ING. If you like mazes, you'll love A-Maze-Ing. Different options give users a variety of maze situations. From simple mazes to a cat-and-mouse chase situation. Thirteen options with a total of 5,200 different variations are possible. Many hours of fun and excitement for young and old.

18110 Module ★ **Only $19.95**

THE ATTACK. Play the commander of a ship in a region of space infested by "spores" and "aliens" which must be destroyed. Maneuver your ship to avoid the aliens and fire missiles to destroy the enemy. This exciting package, developed by Milton Bradley Company, must be seen and heard to be truly appreciated. For the entire family.

18227 Module ★ **Only $19.95**

INDOOR SOCCER. Computer version of fast-paced five-on-a-side soccer. Includes passes, shots, interceptions, saves, tackles and many other soccer tactics. Control the players for exciting action—you can even watch a slow motion instant replay of each score. For soccer fans 8 and older.

18092 Module ★ **Only $14.95**

ALPINER. A "climbing" game of skill and challenge for one or two players. Climb one of six mountains: Hood, Matterhorn, Kenya, McKinley, Garmo, and Everest. It's you against the natural hazards and the Abominable Snowman!

18181 Module ★ **Only $19.95**

BLASTO. A one or two player tank challenge to destroy a field of mines while avoiding your opponent's fire. Fast-paced race against the clock to hit the most mines. But don't hit the mines at close range or you'll have to start over. Great game for ages 10 and older.

18232 Module ★ **Only $9.95**

TOMBSTONE CITY: 21st CENTURY. You find yourself in a 21st Century Old West ghost town threatened by an invading hoard of green alien morgs. They live off of only two things—tumbleweeds and people. You and your security force of prairie schooners try to stop the morgs before they infest the earth. A one-player game, Tombstone City is designed to test your strategy as well as your skill. Joysticks optional.

18124 Module ★ **Only 9.95**

CHISHOLM TRAIL. Ride the Chisholm Trail and you'll be challenged to move steers while fighting BRAND monsters and TI's special monster, the WRANGLER!

18196 Module ★ **Only $9.95**

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TI INVADERS. In TI Invaders, your world is under attack by numerous nasty creatures from space. You must use your wit and quick movements in this one-player game to destroy the multi-colored creatures with your missiles. Joysticks optional.
18139 Module ★ **Only $19.95**

CAR WARS. If you enjoy the excitement of high-speed racing, combined with the challenge of out-maneuvering a canny opponent, then Car Wars is your kind of game. Pit your speed and skill against the computer's as you try to get your car around the track without getting "crashed" off the field. Various levels of difficulty allow you to add even more excitement to the action of this one-player game. Joysticks optional.
18143 Module ★ **Only $9.95**

HUSTLE. Direct a snake-like object to hit targets while avoiding your opponent, the edge of the screen, and even yourself! This fast-paced game for one or two players requires quick reflexes and eye-hand coordination. For ages 10 and up.
18251 Module ★ **Only $9.95**

ZEROZAP. Fast-action computerized pinball game with electric light and sound effects. You can even create your own playing field. Developed by Milton Bradley Company. For ages 6 and up.
18265 Module ★ **Only $14.95**

FOOTBALL. An exciting computer simulation of football based on actual professional football statistics. Pick the plays, call the defense, snap the ball—every game is different. Lets you experience this popular game no matter what the season. For ages 8 and up.
18068 Module ★ **Only $14.95**

VIDEO GAMES I. Practice your aim with Pot-Shot, try your skill at Pinball, or trap your opponent with Doodle. Three exciting video games that will provide hours of fun-filled entertainment for the entire family.
18073 Module ★ **Only $14.95**

TI Diskette Software

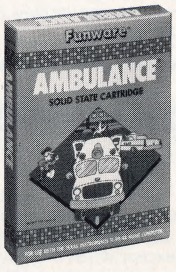
TI-TREK (with speech). Challenging interstellar battle game makes you responsible for the safety of your galaxy. Fire phasors, torpedoes or multiple torpedoes to destroy the enemy. Warp through different quadrants in the galaxy for more battle encounters. Exciting speech dimension has been added for that futuristic atmosphere. Speech Synthesizer Optional.
Sug. Retail $14.95.
18336 Disk **Only $12.95**

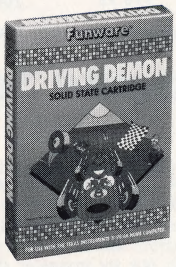
Independent Plug-In Cartridges

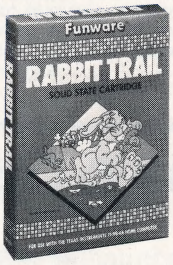
Independent Plug-In Cartridges

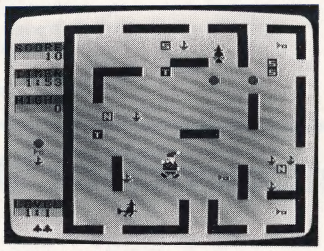
FUNWARE Important Notice:

FUNWARE, the first independent producer of plug-in game cartridges for the TI-99/4A, offers a 90 day limited warranty on their cartridges that insures they will work on **any** 99/4A, even when TI makes their long rumored hardware change on new 99/4A's that will make some third party cartridges inoperative. In the unlikely event you encounter difficulty running a FUNWARE cartridge, you may return it to FUNWARE and receive a cartridge that will work on your console at no charge.









AMBULANCE. Our favorite! Race your ambulance through the city to save ailing citizens. Avoid cars and approaching trains while making use of your emergency shelters. Score points for safe patient deliveries. Faster deliveries get more points! Multiple screens with different street layouts and traffic patterns. From FUNWARE. Sug. retail $44.95.
19980 Cartridge **$39.95**

SAINT NICK. Did you ever wish you were Santa Claus? FUNWARE'S newest offering lets you live your fantasy! Can you collect the toys scattered by the mysteriously drugged elves in time to deliver them for Christmas? Starts off easy, but gets harder as you progress.
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20022 Cartridge **$39.95**

SCHNOZ-OLA. Bounce around the pyramid collecting dots but avoiding the balls that will destroy you. A unique action game from FUNWARE that combines pursuit game and bouncing game strategies.
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20037 Cartridge **$39.95**

RABBIT TRAIL. Hop along the rabbit trail and crawl through rabbit holes to collect all the carrots. Watch out for weasels, hawks, and traps, or hop onto a raft to escape your enemies. Seven different screens make this game the ultimate challenge. From FUNWARE.
Sug. retail $44.95.
10886 Cartridge **$39.95**

HENHOUSE. Help Farmer Jones collect the eggs from his henhouse. But be careful! Score points with each basket of eggs you safely deliver to his truck. Watch out for wolves and poachers! And don't drop any eggs! From FUNWARE. Sug. retail $44.95.
10891 Cartridge **$39.95**

VIDEO VEGAS. The most realistic slot machine outside Vegas! Authentic exciting sound effects dramatize the action and help create an atmosphere of winning—or losing! From FUNWARE. Sug. retail $44.95.
10903 Cartridge **$39.95**

DRIVING DEMON. High speed action from FUNWARE! Drive as far and fast as you can within the time limit, avoiding other cars and oil slicks as you go. Use your long range scanner to spot obstacles ahead, and watch your tachometer so you don't blow your engine! Realistic engine sound. Sug. retail $44.95.
20018 Cartridge **$39.95**

NOTE: Independent Software discounts DO apply to plug in cartridges from Funware, Romox, and Thorn EMI—the more you order, the more you save!

PRINCESS AND FROG. Leaping adventure from ROMOX! You, the frog, must avoid the jousting knights and then cross the river with the help of menacing alligators and snakes if you are to reach the safety of the castle tower and your awaiting princess. From ROMOX. Sug. retail $39.95.
20179 Cartridge **$36.95**

ANT EATER. Be king of the hill! You as ANT must get food back to your colony and destroy the deadly ANT EATER. Create new tunnels to forage and escape, but watch out—every time you destroy one ant eater, another will take its place! From ROMOX. Sug. retail $39.95.
20183 Cartridge **$36.95**

ROTOR RAIDERS. Underground adventure from ROMOX. You must make your way through the maze of pipes and tunnels while avoiding the dangerous sewer rats. Your only hope is to round up the beastly creatures and put them in a corner of their own.
Sug. retail $39.95.
20229 Cartridge **$36.95**

TOPPER. A fast paced 3-D chase between the tortoise and the hare. You as TOPPER TURTLE must run leap between brightly colored tiles while you try to out-fox the rabbit at its game. From ROMOX.
Sug. retail $39.95.
20215 Cartridge **$36.95**

HEN PECKED. You are the rooster—can you rule the roost, or will you be totally henpecked? You control the wing-flapping flight of your rooster, while ever-increasing numbers of hens enter the barnyard. Fowl play from ROMOX. Sug. retail $39.95.
20200 Cartridge **$36.95**

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Thorn EMI

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COMPUTER GAMES THAT ARE THE CLOSEST THINGS TO REAL LIFE CHALLENGES.

THORN EMI VIDEO

RIVER RESCUE

RIVER RESCUE. A group of helpless and starving refugees are trapped between a fierce battle to the north and the raging river. With your powerful boat, you must try to rescue as many as possible and deliver them to a friendly neighboring country. It won't be easy, though—you must contend with hostile troops, electric eels, and other hazards. High speed action for one or two players from THORN EMI. Sug. retail $39.95.
20835 Cartridge **$36.95**

ComputerWar

Based on the hit movie "WarGames"®

Available for the Atari 400/800/1200* and the Commodore Vic-20† and the TI 99/4A††

COMPUTER WAR. Based on the hit movie "WarGames"! The alarm bells are ringing at NORAD! Can you crack the code and destroy the simulated enemy missiles before the world is engulfed in a thermonuclear holocaust? Fast action in cartridge format from THORN EMI. Uses joysticks or keyboard. Sug. retail $39.95.
20816 Cartridge **$36.95**

SUBMARINE COMMANDER

SUB COMMANDER. Simulates a sub patrol mission to hunt down and destroy enemy shipping. Use your sonar when submerged; rise to periscope level and attack. Hazards include enemy destroyers, depth charges, water pressure, and an uneven sea floor. Full instrumentation display. From THORN EMI. Sug. retail $39.95.
20820 Cartridge **$36.95**

Independent Disk & Cassette Software

MAPLELEAF

HANG-GLIDER PILOT. An exciting simulation of hang gliding—jump off, climb, work the thermals over rocky fields, but watch out for downdrafts over lakes and forests. Don't climb too fast or you'll stall, and be careful landing! By MAPLE LEAF Micro/Ware.
12970 Cassette, BASIC **$19.95**
12877 Cassette, Ext. BASIC **$19.95**

DEVIL CRAZE. If you think you know left from right, try this new game of reflexes and concentration from MAPLE LEAF. You must press the key or fire button on the side the computer indicates, except when the four crazy red devils appear—then you must do the opposite! Watch out for imposter devils. A computer age "Simon Says."
12927 Cassette—Ext. BASIC **$19.95**
12984 Cassette—BASIC **$19.95**

SKY-DIVER. A fun test of parachuting accuracy for one to four players. Check your wind changes with a streamer and then... GERONIMO. Maneuver while free falling at up to 125 MPH. Pull your ripcord, and try to guide yourself to the center of the bulls-eye for a 100 point score. Watch out for hard landings, and hope you don't need your reserve chute. By MAPLE LEAF Micro/Ware. Requires Ext. Basic.
12862 Cassette **$19.95**

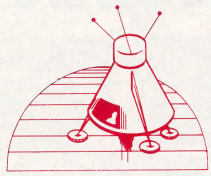
More Great Games from American Software ASD&D

SPACE BATTLE 2056. In this exciting space game, you command an earth force and try to defend a helpless fleet of ships and a fuel station against a deadly alien force. Random factors make each game a different contest. Users Group rated "****". From AMERICAN SOFTWARE.
10566 Cassette **$13.95**
11128 Disk **$15.95**

METEOR SHOWER. In this arcade type game from AMERICAN SOFTWARE, you control both the speed and direction of your ship to try to evade an even faster swarm of meteors. Several play options. Requires Extended Basic.
11133 Cassette **$9.95**
11147 Disk **$11.95**

SKI. A fun game for one or many. One at a time you ski down a slope and try for the fastest time. Go too fast though, and you will fall. Skiing conditions range from excellent to icy. Select from hundreds of courses of varying layout and difficulty. From AMERICAN SOFTWARE.
10571 Cassette **$14.95**
11185 Disk **$16.95**

LASER SHIELD. Try to save four cities and protect your laser base from incoming missiles. There are three waves of missiles, each one more challenging. From AMERICAN SOFTWARE.
11190 Cassette **$14.95**
11202 Disk **$16.95**



LAND ON MARS. Can you pilot the Martian Lander safely to the red planet's surface? You must watch your instruments and where you are going to determine the direction and power level for firing the engines. After landing, blast back into space to attempt docking with the orbiter. Hundreds of landscapes, two gravity settings, and an optional dragon will keep you challenged. From AMERICAN SOFTWARE.
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✻ **IMPORTANT NOTE**

Desriptions and prices for Texas Instruments brand products are included throughout this book. At press time, virtually all of these items were available. Due to TI's withdrawal from the home computer market, however, and the current uncertainty regarding continued production of various items, the availability of these products may be limited. Be assured that Tenex will carry all TI products as long as they are available as well as a full selection of high quality peripherals, software and accessories for the 99/4A from independent manufacturers.

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Top Notch Action from

SOFTWARE NORTON software

CROSS COUNTRY CAR RALLY. An imaginative, cross country romp inspired by the Cannonball run. Moving graphic backgrounds change for each state. Avoid the police, your rivals, tourists, and a few surprises. Received a rave review in the 99'er. High speed racing action from NORTON — this one's a winner! Requires Extended BASIC.

10937 Cassette $19.95
15019 Disk (Req. Mem. Exp.) $22.95

"fantastic... everything you could possibly be looking for in a computer game" — 99'er review of **Cross Country Car Rally** *from NORTON Software*

SUPPER FROGGER. This arcade game from NORTON really is super. If your frog avoids being splattered by a speeding truck, it still has to contend with piranha infested waters, crocodiles, and snakes. Great graphics. Requires Extended BASIC.

10989 Cassette $19.95
15023 Disk (Req. Mem. Exp.) $22.95

LUNAR LANDER. A NORTON version of the arcade classic! Demonstrate your clumsiness by crashing into the moon of your choice.

11024 Cassette, TI BASIC Version $14.95
11010 Cassette, Extended BASIC Version $14.95
14975 Disk, Extended BASIC Version (Req. Mem. Exp.) $17.95

TANK. Arcade action from NORTON! Play against the computer or another player. Destroy each other's tanks while avoiding land mines.

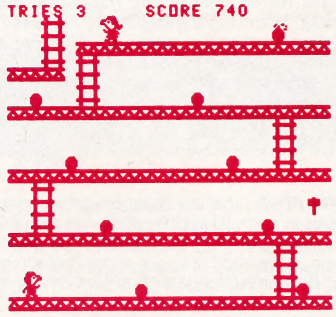
11005 Cassette, TI BASIC Version $14.95
10994 Cassette, Extended BASIC Version $14.95
14989 Disk, Extended BASIC Version (Req. Mem. Exp.) $17.95

3-D STAR TREK. Remember the very first computer games? Even before Pong? Here is an updated version of the classic space war game that uses TI graphics to add a new twist to the adventure. From NORTON.

10975 Cassette, TI BASIC Version $14.95
10960 Cassette, Extended BASIC Version $14.95
14994 Disk, Extended BASIC Version (Req. Mem. Exp.) $17.95

ATTACK MAN. NORTON'S version of the basic arcade pursuit game. Collect points while being pursued through a maze by a gang of lovable, hungry eaters. See if you can make it to the energy pellet so you can turn on them! Requires Extended BASIC.

10941 Cassette $19.95
15004 Disk (Req. Mem. Exp.) $22.95



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Tomputer

THE CHICKEN. Eat and run in this fast-paced arcade style game from TOMPUTER. Try to gobble up chicken feed while avoiding traffic on the multilevel highway. Gets progressively more difficult as you advance! Requires Extended BASIC and Joysticks.

15268 Cassette $14.99

MONKEY KONG. Climb ladders, jump over barrels, avoid fires, run from the giant green spiders, and escape the amazing acid rain — while you are climbing to the top of a building to rescue your sweetheart from the clutches of the killer ape! From TOMPUTER. Requires Extended BASIC and joystick.

15273 Cassette $14.99

ROAD RACE. Try to follow the ever changing road as it widens, narrows, curves, and even branches! Watch out for the falling pine trees. You can blast your way through them with your laser if it doesn't overheat. From TOMPUTER. Requires Joysticks.

15216 Cassette $11.99

CHASE. You are a little man running around the screen, trying desperately to eat as many colored squares as you can! You are being followed though, by Sam, the Sinister Smiley Face. From TOMPUTER. Requires Joysticks.

15220 Cassette $11.99

BOMBARDMENT. Score points by picking up the blue boxes, but don't get hit by the red ones because they are instant death! Advancing levels of play. From TOMPUTER. Requires Joysticks.

15235 $11.99

Pewterware

BLUEGRASS SWEEPSTAKES. Liven up your parties or your winter evenings at home with this exciting horse race game from PEWTERWARE! Up to eight players take their chances on eight races — the ninth race is a runoff for the winners of the first eight.

10603 Cassette $9.95

DECATHLON. Play the ten events of the modern Decathlon by carefully timing your inputs. Well plotted graphics include 100 meter run, Long Jump, Shot Put, High Jump, 400 meter run, 110 meter Hurdles, Discus, Pole Vault, Javelin, and 1500 meter run. For up to eight players. From PEWTERWARE.

10622 Cassette $9.95

UP PERISCOPE. You are the skipper of a submarine on patrol in this nautical warfare game from PEWTERWARE. Try to sink enemy cargo ships, but watch out for depth charges dropped by the destroyer escorts. Written by a 20 year submarine veteran. Requires Extended BASIC.

10590 Cassette $9.95

SNOW TREK. You load your snowmobile into your van and head for the country. But watch out! The road is icy! You must avoid stalled cars and stay on the road. You unload your snowmobile and zip into the field where you see a cute little number running across the snow. But be careful — number crunching can be dangerous. TI BASIC action from PEWTERWARE.

20676 Cassette $9.95

GOBLIN'S REVENGE. You are trapped in the goblin's chambers. To get out, you must find your way through a difficult maze that you can only partially see. Meanwhile, the goblin is right on your heels. Sometimes you can see it, but at others you can only hear it! Push open the secret door to escape. In TI BASIC from PEWTERWARE.

20680 Cassette $9.95

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E-X-T-E-N-D-E-D

FROGGY. This EXTENDED Software version exploits the sprite capability of Extended BASIC to keep the action fast and smooth. Can you get your frogs first across 10 lanes of traffic and then across the stream? Includes sound and music. "Colorful and action packed... sure to delight" — 99'er. Requires EXTENDED BASIC.

11630 Cassette $9.95
11644 Disk $9.95

KONG. A new arcade game from EXTENDED Software! Kong must fight his way to the top of the warehouse to save Roxanne, dodging barrels rolled at him by the villainous IGOR. Features six screens, all different, each more difficult than the last. Requires joysticks and EXTENDED BASIC.

11875 Cassette $14.95
11889 Disk $14.95

BOUNCER. New arcade game from EXTENDED Software features coordinated graphics, sprites, and sounds. Bouncer bounds from one trampoline to the other, scoring points for clearing off the squares. The arrows will burst him! Six different screens. Requires joysticks and EXTENDED BASIC.

11894 Cassette $14.95
11906 Disk $14.95

EXTENDED BASEBALL/GORFIA PESTULITIS. Two exciting games from EXTENDED Software in one! In the first, its the Pros against the Stars in a realistic simulation featuring joystick control of both pitcher and batter, individual batting averages, and a variety of play. In the second, shoot down the Gorfian invaders with your sprite action laser sight. For a bigger challenge, try using inertia-influenced space mines. Both programs require EXTENDED BASIC and joysticks.

11659 Cassette $9.95
11663 Disk $9.95

ROMEO. Romeo begins in a scorching desert. If he can get across that challenge, he must then swim up a stream infested with alligators and sharks while avoiding the logs. The final step is a mad dash through treacherous terrain for Romeo's just reward. Enough action to wear out your joysticks! From EXTENDED Software. Requires Extended BASIC and joysticks.

11911 Cassette $14.95
11925 Disk $14.95

GAMES PAK III - KONG, BOUNCER, and ROMEO. All three EXTENDED Software arcade games on one convenient cassette or disk. Separate prices total $44.85

11930 Cassette $26.95
11944 Disk $26.95

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ACTION GAMES
Bring Your Screen to Life
BY FUTURA SOFTWARE

ALL-STAR BASEBALL II. An incredible simulation that is action-packed. A realistic simulation with foul-balls, walks, base stealing, and even errors! You can fling a fast ball, sneak in a slider, or toss a ball. The batter can swing, take the pitch, or steal. Double- and triple-plays are possible! For two players! Super graphics and animation from FUTURA.
Runs in either BASIC or Extended BASIC.
12007 Cassette **$19.95**

ALL-STAR BOWLING. The animation is spectacular and the action is realistic. Move your bowler across the alley, fire a fast or slow ball, toss a straight one, or roll a hook! Realistic pin action — you can pick up those nasty splits. Great sound and graphics. From one to eight players, keeps separate game and series scores for each player. Automatic scorekeeping, extra balls in the tenth, and even gutter balls.
Requires Extended BASIC.
12012 Cassette **$19.95**

'CHUTES 'N SHARKS. Attempt to position your rescue craft underneath the parachutists as they drop from the chopper. Miss, and a half-crazed shark will have lunch! Some get caught in the palm tree, but they may fall out at any time. Some drop faster! Four levels of play. Great graphics, super fun. Teach eye-hand coordination to children, while they play! From FUTURA.
Requires Extended BASIC; optional version requires 32K Memory Expansion
12257 Cassette **$19.95**
12261 Cassette (Req. 32K Mem. Exp. **$19.95**

DRAGON GAME. Did you even dream you were a flying, fire-breathing magic dragon? You are in this game by Robert Dickerson. Except, the dragon's world is full of treachery, and you must avoid these obstacles or pay the penalty. You may run out of magic, in which case you must gather magic pellets. Never-ending, fast-action from FUTURA. Requires Editor/Assembler module and 32K Memory Expansion.
12332 Disk **$24.95**

'COPTER CAPERS. If you want a different game, this one by Justin McCarthy and FUTURA Software is it! You don't kill anybody; instead, you rescue people from a burning building! It would be that simple, were it not for the volcano, and the sky-scraper, etc., that your 'copter has to avoid in the process. Get a feeling of accomplishment as you watch the rescued victims get whizzed away by an ambulance.
12280 Cassette **$19.95**

COSMIC DRIFT. You are the life-line of Earth's only space colony. A new generation of humans depend on your ship for supplies. All you have to do is get to their planet in one piece. Easy? Just try it! You'll spend hours dodging and hyperspacing before you complete your mission in this game by Neil Weinstock and FUTURA. Requires Extended BASIC.
12295 Cassette **$19.95**

THE HUSTLER. If you are a pool shark, try this clever innovation! The computer breaks, and the balls never stop rolling! Players take turns. Play eight-ball, or rotation. Automatic score and prompts. A real challenger for all ages by Ron Binkowski and FUTURA Software. Requires Extended BASIC.
12399 Cassette **$19.95**

FOWL PLAY. Can you help this nervous hen across the road? There are 20 lanes of rapid-moving traffic, though. Great animation and loads of fun provided by Ron Binkowski and FUTURA. Requires Extended BASIC.
12346 Cassette **$19.95**

HOPPER. In this well-developed game with super graphics you are jumping frogs across a river onto lily pads, rocks and flotsam. By Mark Sumner and FUTURA. Requires Extended BASIC.
12384 Cassette **$19.95**

AIR MISSILE COMMAND. Protect your cities from alien invaders. Fast-action and great graphics in this game by Mark Sumner and FUTURA.
11997 **$19.95**

GALACTIC WAR. You battle the computer-guided alien craft and try to destroy them before they blow you into atoms. Five hits and you are a memory. They attack in pairs, and are on the offensive. Move fast and shoot quickly! From FUTURA. Requires Extended BASIC.
12351 Cassette **$19.95**

GETCHA! A peaceful merchant is set upon by ferocious aliens. With only skill and cunning, you must make them destroy each other. Frustrating fun and great graphics by Ron Binkowski and FUTURA.
Requires Extended BASIC.
12370 Cassette **$19.95**

VIRAL VENDETTA. As a good white blood cell, you must protect your host and his cells against the vengeful virus! Move fast, or perish! Keeps those cells healthy. Kill the virus and its venom. Another Assembler game that will wear you out from Robert Dickerson and FUTURA. Requires Extended BASIC and 32K Memory Expansion.
12135 Disk **$24.95**

LASER BATTLE. You and the computer (or another humanoid) blast away at each other, and hope to be first to score ten points. Floating asteroids get in the way, but they also make nice places to hide behind. A real palm-sweater by Bill Hoffman from FUTURA.
Requires Extended BASIC.
12064 Cassette **$19.95**

LONDON BLITZ. Save Jolly Old London from a night air-raid. Select from one to twenty searchlights and scan the dark sky. Was that a cloud or an enemy plane? You only get one shot, so don't miss. A surprise awaits you when you shoot down your first bomber! By Ron Binkowski, from FUTURA.
Requires Extended BASIC and joysticks.
12079 Cassette **$19.95**

MARS MARAUDER. Have you landed on the Moon? Now try Mars; and while attempting to land, avoid hidden traps! Good navigation skills required for this game by Cale Southworth and FUTURA.
12083 Cassette **$19.95**

MOONDUSTER. After you land on Mars, try landing on the Moon. Rough terrains, fuel problems, the whole nine yards from Neil Weinstock and FUTURA.
12098 Cassette **$19.95**

SAM DEFENSE II. Three difficulty levels. Get a fix on incoming aircraft with your radar. Locate the enemy on your aximuth and elevation screens, track the range, lock and fire a surface-to-air missile. An authentic replica of a SAM Site Radar Station. Get yours before the FBI and CIA confiscate the remaining copies. By FUTURA.
12101 Cassette **$19.95**

STARSHIP CONCORD. The super-game for all you Trekkies out there. The most advanced "Trek" you've ever played. Loaded with fun and real-live action. You don't want to miss this one by Sam Pincus and FUTURA. Two versions — both require Extended BASIC; second requires 32K Memory Expansion.
12116 Cassette **$19.95**
12120 Cassette (Req. 32K Mem. Exp.) **$19.95**

SAVE **On Software and Books with Tenex!**

All orders of independent (non-TI) software and books receive the following discount:

Over $50.00—Deduct 10%
Over $100.00—Deduct 20%

EASYWARE

VADERING. In this arcade style game from EASYWARE, a "vader" is orbiting your starbase and pelting you with blasts. Intercept his blasts and blast him back with your laser! You can set the vader's speed, the speed and frequency of his blasts, direction changes, and ships to vary the game. For one or two players. Joysticks optional.
11433 Cassette **$16.95**

EASYDRIVE 75. Not as easy as the name suggests! Drive a race car down a treacherous section of I-75, avoiding obstacles, cars, and retaining walls. The challenging curves are different each time you play. Set your own difficulty level by choosing fast/slow speed, wide/narrow track, with/without obstacles. From EASYWARE. Joysticks optional.
11517 Cassette **$14.95**

EASYPONG. Relatively slow action, but it runs in TI BASIC. This version of the table tennis classic is a good choice for younger children to develop eye-hand coordination, and may not be as frustrating to them as the faster arcade games. From EASYWARE. Joysticks optional.
11521 Cassette **$6.95**

EASYTAG. A game of tag for two players — the catch is that it's in a maze! 15 different mazes to chase each other around in! From EASYWARE. Joysticks optional.
11536 Cassette **$6.95**

REPUBLIC SOFTWARE

RING DESTROYER. This is the one you've seen advertised! Unique software package from REPUBLIC Software will load in either Extended BASIC or Assembly Language. If you upgrade your system, your software will grow with you. Game features arcade action against a space background — you pilot a spacecraft and try to destroy ring fragments and enemy spacecraft. To run in Extended BASIC requires Extended BASIC command module and joysticks; to run in Assembly requires 32K Memory Expansion (joysticks optional). Both language versions are included on each cassette or disk.
10848 Cassette **$19.95**
10853 Disk **$19.95**

INTERCEPTOR. The latest action game from REPUBLIC! Runs in either TI BASIC or Extended BASIC. Center unidentified aircraft in your gunsight to identify them as friend or foe, then fire your missile before the enemy fighter fires his! When your fuel runs low, link up with your tanker in mid-air.
19680 Cassette **$19.95**
19695 Disk **$19.95**

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MOONBEAM SOFTWARE

Superior Software for the TI-99/4(A) Home Computer.

New Low Price!
ONLY $9.95
(Cassette)

ROBOT RUNNER. The Organized Robot Terrorist Society Against Civilization is determined to conquer the world with an army of robots. Can you infiltrate your android into their heavily guarded headquarters and guide him through the labyrinth of danger so he may reach the inner chamber and confront and terminate the leaders of ORTSAC? 7 exciting screens. Super arcade action from MOONBEAM.
Requires Extended BASIC.
20731 Cassette **$9.95**
20745 Disk **$12.95**

ZERO ZONE. The enemy is preparing to launch a nuclear war that will demolish your civilization. They have sent in a squadron of bombers and fighters to strib ground zero of all defenses; you must man two turret guns to defend your skies against them. Will they destroy your ammo dump? Will they launch their warhead? The ultimate in arcade action and dazzling graphics from MOONBEAM. Requires Extended BASIC.
20750 Cassette **$9.95**
20764 Disk **$12.95**

GARBAGE BELLY. Help the Garbage Belly gobble up ripe garbage in a field of garbage pails. Don't let him eat raw garbage, though, or he'll die! Good clean fun from MOONBEAM. Requires Extended BASIC.
10341 Cassette **$9.95**
10356 Disk **$12.95**

DEATH DRONES. Protect your city and its nuclear power plant from the relentless alien drones. Runs in BASIC or Extended BASIC. "Amazing speed," "terrific visual and sound effects" — 99'er Magazine.
From MOONBEAM.
10303 Cassette **$9.95**
10318 Disk **$12.95**

CAVERN QUEST. Jump over bats, ghosts, and scorpions to reach the secret door beyond which perils lie. Can you make it to the magic chamber and slay the cavern creature that guards the hidden treasures? There are many treasures to be revealed if you can avoid the treacherous grip of the never ending Claw Monster. A habit forming, multi-screen, fast action game of skill and strategy. From MOONBEAM.
Requires Extended BASIC.
10425 Cassette **$9.95**
10430 Disk **$12.95**

"Cavern Quest is well composed from beginning to end... For its price I know of no other game of equal interest." 99'er HOME COMPUTER MAGAZINE

ASTROMANIA. Pilot your fleet of photon-powered ships through the asteroid cannons of Sulconon, the aerial attack squad of Caustress, the meteor belt of Trisod! Then face the unforgiving Zircon Droids! Requires Extended BASIC. From MOONBEAM.
10406 Cassette **$9.95**
10411 Disk **$12.95**

STRIKE FORCE 99. Your planet is doomed? Destroy the Cryolian death rays, annihilating your civilization. From MOONBEAM. Requires Extended BASIC.
10360 Cassette **$9.95**
10375 Disk **$12.95**

MOONVASION. Alien starfighters are attacking your moonbase. Can you aim and fire your moon launch fast enough? Will your squadron be destroyed? From MOONBEAM.
Runs in either TI BASIC or Extended BASIC.
10322 Cassette **$9.95**
10337 Disk **$12.95**

MOONBEAM EXPRESS. Defend your cargo ship from enemy fighters on your mission to the outpost located deep in Quadrant 9. From MOONBEAM.
Requires Extended BASIC.
10389 Cassette **$9.95**
10394 Disk **$12.95**

NEW COMPU-THINGS

ANT HUNT. You are a spider at the top of an ant hill in this new game from COMPU-THINGS. To score points, you go deep into the hill and capture the black ants, avoiding red ants and scorpions. Can you capture the green Queen ant at the 10th level and earn points and a bonus spider? Great for kids 12 and under.
Requires Extended BASIC.
20873 Cassette **$19.95**

DOWNHILL SKIER. How skillful a skier are you? Begin the course trying to keep your skier between the flags; farther down the hill, you encounter dangerous trees; in the final stretch, other skiers crowd the course to make the run more challenging. From COMPU-THINGS.
Requires Extended BASIC.
20854 Cassette **$19.95**

STAR VENTURE. Hundreds of astronauts have been stranded by the explosion of a space station! You must try to rescue as many as possible while avoiding speeding asteroids. 5 challenging levels of play. From COMPU-THINGS. Requires Extended BASIC.
20887 Cassette **$19.95**

MAZE MAN. A graphic adventure from COMPU-THINGS. The Sorcerer has cast a spell on you and sent you to the Maze of Mortashi. There is only one exit from this multilevel maze, and in order to escape you must bribe the Wizard of the Maze with treasure you find as you find your way. Many hidden problems will confront you in your search for the way out.
Requires Extended BASIC.
20868 Cassette **$19.95**

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Mini Memory Programs

The MINI MEMORY is a unique peripheral that allows transportable program storage and instantaneous loading of programs stored in it. Equally important, the MINI MEMORY allows programs to be written in assembly language for great graphics and high speed action impossible to duplicate in TI BASIC or Extended BASIC. The programs listed here make use of this capability, and we think you'll be amazed at the almost nonexistent response lag and high speed action of these arcade games! (For complete description of MINI MEMORY, see page 37.)

MINI-PEDE. The arcade classic brought to the TI 99/4A by Challenger Software International! Try to destroy an advancing stream of creatures (that is continually splitting and recombining) while avoiding the spider that periodically bounces across the screen hoping to capture you. Super-fast assembly language action.
Requires MINI-MEMORY. **$17.95**
20980 Cassette

HOPPER. Guide Hopper through 8 lanes of heavy traffic, then hop across a roaring river. Don't hop in a pond with the roving snake! 10 screens, each with different, moving characters. Parrysoft brings you this amphibious entertainer. Requires MINI MEMORY.
20976 Cassette **$19.95**

SUPER KONG. Help Henry reach the top of the warehouse before the TNT explodes! Ride up and down elevators, but don't bump into the unforgiving bowling balls, which you must jump over. 16 exciting levels of play. From Parrysoft. Requires MINI MEMORY.
20942 Cassette **$19.95**

BREAKOUT 99. Parrysoft brings the arcade classic to your TI! Break through the multicolored brick wall. Incredible ricocheting action off top of screen. 16 action packed levels of play, each more difficult than the last. Requires MINI MEMORY.
20957 Cassette **$19.95**

ENIGMA. You begin the game hovering amidst a group of menacing asteroids... move, thrust, and fire in any direction, or, if you are more timid, use your deflector shield. Space action from Parrysoft.
Requires MINI MEMORY.
20961 Cassette **$19.95**

PEGASUS

BALLOON VOYAGE. In this multiscreen arcade style game from PEGASUS, you must navigate your balloon across a city, dodging buildings, birds, and girders in order to land safely on the other side. Nine different screens will challenge even the most skillful player.
Requires Extended BASIC.
20938 Cassette **$16.95**

CHALLENGER

STARPROBE 99. You control the starship as it probes a multi-level, labyrinthine, and hostile world. An action game of skill with full color graphics and nine screen variations. Surprisingly good display for a Console BASIC action game. From CHALLENGER Software International.
20995 Cassette **$17.95**

WALLABY. Wally Wallaby has stumbled into the basement of the Tasmanian Thingamajig factory. Won't you please help him hop, duck, climb, and slide his way to the exit? Four screens and two levels of play. From CHALLENGER Software International.
Requires Extended BASIC.
2102 Cassette **$17.95**

HORRORS! You'll have a nightmare of fun as you try to paint a haunted house while evading the clutches of some of the smartest and dumbest monsters you'll ever meet. 16 playing combinations; uses keyboard or joystick. From CHALLENGER Software International.
Requires Extended BASIC.
2101 Cassette **$17.95**

adventure games

LET'S DISCUSS... **Adventure Games**

Like arcade games, adventure games are an outgrowth of the computer's unique capabilities. Unlike the former, however, adventure games do not usually incorporate fast moving graphic displays; some have no graphics at all. Instead, they use the computer's ability to store lots of information and to employ complex branching structures. A typical adventure game involves a journey, an exploration of a building or maze, etc. You can normally choose your direction and your actions, and the computer will respond in appropriate fashion. Usually, you must use deductive logic to find a series of actions that will allow you to achieve the object of the adventure. Some games incorporate random elements that make each adventure different. If you enjoy puzzles that require logic and creativity, adventure gaming may be for you!

TI Modules & Software

TUNNELS OF DOOM. A new adventure series from TI that will provide hours of puzzling enjoyment. Package consists of one command module and two game programs in either cassette or disk form.

18177 Module & 2 Cassette games ★Only $19.95
18162 Module & 2 Diskette games ★Only $19.95

ADVENTURE. With the Adventure Command Module and one of the many cassette- or diskette-based games developed by Adventure International, you can experience many different adventures without leaving the comfort of your home. Adventure games available include Adventureland, Mystery Fun House, Ghost Town and many more. Each game challenges your powers of logical reasoning and may require hours, or even weeks, to complete. Package includes Command Module and Pirate game.

18317 Module & Cassette game ★Only $19.95
18302 Module & Diskette game ★Only $19.95

ADVENTURE INTERNATIONAL ADVENTURE SERIES. More challenging adventures developed by Scott Adams. Diskette adventures require Command Module 18302; cassette adventures require 18317. Sug. retail each $29.95.

18546 ADVENTURELAND—Cassette Only $23.95
18551 MISSION IMPOSSIBLE—Cassette Only $23.95
18565 VOODOO CASTLE—Cassette Only $23.95
18570 THE COUNT—Cassette Only $23.95
18584 STRANGE ODYSSEY—Cassette Only $23.95
18599 MYSTERY FUN HOUSE—Cassette Only $23.95
18602 PYRAMID OF DOOM—Cassette Only $23.95
18617 GHOST TOWN—Cassette Only $23.95
18621 SAVAGE ISLAND I & II—Cassette Only $31.95
18636 GOLDEN VOYAGE—Cassette Only $23.95
18393 ADVENTURELAND—Diskette Only $23.95
18405 MISSION IMPOSSIBLE—Diskette Only $23.95
18410 VOODOO CASTLE—Diskette Only $23.95
18424 THE COUNT—Diskette Only $23.95
18439 STRANGE ODYSSEY—Diskette Only $23.95
18443 MYSTERY FUN HOUSE—Diskette Only $23.95
18458 PYRAMID OF DOOM—Diskette Only $23.95
18462 GHOST TOWN—Diskette Only $23.95
18477 SAVAGE ISLAND I & II—Diskette Only $31.95
18481 GOLDEN VOYAGE—Diskette Only $23.95

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★ **NEW LOW PRICE**

Independent Software

EXCITING ADVENTURES FROM AMERICAN SOFTWARE

WIZARD'S DOMINION. This is it! American Software's best selling adventure game features 3-D perspective graphics, magical powers, complex battles. Can you defeat the Ogre and capture the gold? Ten levels of increasing difficulty and hundreds of caves per level will keep you busy. Ages 12 to adult. Requires Extended BASIC.
10444 Cassette $19.95
10459 Disk $21.95

HAUNTED HOUSE. Monsters and magic lurk everywhere in this strange house. Only the brave and the clever will escape with the ruby. Of intermediate difficulty, recommended for ages 12 to adult. One of Scott Morgan's TIventures from American Software.
Requires Extended BASIC.
10514 Cassette $14.95
11221 Disk $16.95

MINER '49er. Begin this adventure in a ghost town that once was a properous mining town. Enter the abandoned mine to search for hidden treasures guarded, some say, by a monster. A TIventure by Scott Morgan and American Software, of intermediate difficulty, recommended for ages 12 to adult.
Requires Extended BASIC.
10528 Cassette $14.95
11236 Disk $16.95

FUN HOUSE. Face challenge after challenge in the mysterious fun house. Only the best adventurers will escape the room of mirrors. Of advanced difficulty, recommended for ages 12 to adult. Requires Extended BASIC. One of Scott Morgan's TIventures from American Software.
10547 Cassette $14.95
11255 Disk $16.95

STONE AGE. Can you survive the dangers that abound in 5000 B.C.? Can you find the time machine that will return you to the 20th century? Find out in this TIventure by Scott Morgan and American Software. Of intermediate difficulty, recommended for ages 12 to adult.
Requires Extended BASIC.
10552 Cassette $14.95
11269 Disk $16.95

007: AQUA BASE: This Scott Morgan TIventure from AMERICAN SOFTWARE is a good choice for the beginning adventurer. Your mission is to find the evil Computer Operator who plans to blow up the world from his hidden Aqua Base. Includes "Help" feature. Recommended for ages 12 to adult. Requires Extended BASIC.
10509 Cassette $14.95

IN SEARCH OF: THE FOUR VEDAS. In this challenging adventure, you must find the ancient books of your tribe, lost years ago. These books will give you great knowledge of the past and of magic. You will need all of your wits to surpass the difficult obstacles that face you. A TIventure by Scott Morgan from American Software. Of advanced difficulty, recommended for ages 12 to adult. Requires Extended BASIC.
10533 Cassette $14.95
11240 Disk $16.95

ICE CAVERNS OF XEN. A super text adventure by Neil Weinstock and Futura that will keep you going for weeks (months?). Superb challenge from the very first moment. Requires reasoning ability to crack the well-designed and cryptic clues! Cassette version runs in TI BASIC, Disk version requires Extended BASIC and 32K Memory Expansion.
12401 Cassette $19.95
12416 Disk $21.95

DEATH STATION. Out of fuel and nearly starved, you dock at a deserted space station. There is fuel there, but also a curse! Are you clever enough to break the death spell and depart alive? Only you can tell in this text adventure by Paul Tyma and Futura Software. Optional version requires Extended BASIC.
12308 Cassette $19.95
12313 Cassette (requires Extended BASIC) $19.95

C.I.A. ADVENTURE. You, a super-sleuth CIA agent, are in charge. Your mission—find the missing diamonds in the midst of a spy nest! Unfortunately, your instructions are to let your not-so-bright assistant do all the leg work. Using a walkie-talkie, you guide George through a thriller in this game from Futura authored by Jon Burt. Requires Extended BASIC.
12276 Cassette $19.95

QUEST FOR THE SWORD. The Sword of Aron has been stolen; your task is to find it. But first you must overcome the dangers of the castle Fangthorn! A text adventure for one player from Pegasus.
20892 Cassette $17.95

ARON'S REVENGE. The exciting sequel to Quest for the Sword. The dragon is on the rampage, and only a hero armed with the Sword of Aron can defeat it. A text adventure for one player from Pegasus.
20904 Cassette $17.95

THE HAUNTED LIGHTHOUSE. On July 17, 1896, the day for the return of the fishing fleet, a tragedy befell the small village of Von Whittenburg... the beacon on the lighthouse went out. You, as the new attendent, must relight it. Each room contains a chest stocked with interesting things like magic bullets, bombs, keys, and matches... even treasure! Watch out for ghosts. A graphic adventure from Tomputer.
Requires Extended BASIC.
21097 Cassette $17.99

THIEF. The 99'er called it "a wonderful graphic adventure," and we think you'll agree! Ransack the house to see if you can find the hidden combination. Watch out for the security system, though, and don't take too long—the clock is ticking! Full color graphics for every room. From Tomputer.
Requires Extended BASIC and joystick.
15254 Cassette $14.99

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It's hard to generalize about this section—the selection ranges from Bingo to Bomb Squad and from Tic Tac Toe to Khe Sanh. Whatever your taste in gaming, though, we're sure you'll find something you like!

TEXAS INSTRUMENTS

TI Command Modules

HUNT THE WUMPUS. An exciting hunt in a hidden maze of caverns and twisted tunnels! Seek out the lair of the Wumpus while avoiding perils along the way. Carefully evaluate the clues to insure the completion of this dangerous mission. Everyone in your family will love this game.
18087 Module ★ **Only $9.95**

MIND CHALLENGERS. Two challenging games are included in this package. Game I challenges the player(s) to echo a sequence of notes. If correct, the next player must answer after more notes are added (up to 64 notes). Game II is a code-breaking game using shapes and colors. For ages 10 and up.
18105 Module ★ **Only $9.95**

BLACKJACK AND POKER. These computer-simulated card games allow betting with a bankroll you wish you had. Up to four players play these card game favorites. This package was developed by Milton Bradley Company. For ages 10 and older.
18246 Module ★ **Only $14.95**

HANGMAN. Players try to figure out the mystery word. Each wrong guess brings you closer to the gallows. Use preprogrammed words or create your own. Developed by Milton Bradley Company. For ages 6 and up.
18270 Module ★ **Only $14.95**

CONNECT FOUR. A challenging vertical strategy game. Players must get four markers in a row—down, across, or diagonally—to win. Developed by Milton Bradley Company. For ages 10 and up.

18284 Module ★ **Only $14.95**

YAHTZEE. This exciting dice game combines strategy and chance. Players build points by rolling certain number combinations. Developed by Milton Bradley Company. Hours of fun. Ages 8 and up.

18299 Module ★ **Only $14.95**

VIDEO CHESS. This powerful, easy-to-use package keeps track of all moves, gives you help if you want it, and provides a challenging opponent—or play with an opponent of your choice. You can choose the level of difficulty and the computer can even save a particular game for later replay. Developed with the assistance of International Master David Levy. For chess players of all ages.
16241 Module ★ **Only $14.95**

OTHELLO. Developed by Gabriel Industries. Similar to the popular game.
18321 Module ★ **Only $14.95**

TI Cassette and Disk Software

OLDIES BUT GOODIES—GAMES I. A total of five exciting games including Word Scramble, Number Scramble, Tic-Tac-Toe, Biorhythm and Factor Foe. Exciting action for one or two players. For all ages.
Sug. retail—Cassette $9.95, Diskette $19.95.
18508 Cassette ★ **Only $8.95**
18355 Disk **Only $16.95**

OLDIES BUT GOODIES—GAMES II. Second in a series of game collections. Package includes Hammurabi, Hidden Paris, Peg Jump, 3D Tic-Tac-Toe and Word Safari. Fun for everyone.
Sug. retail—Cassette $9.95, Diskette $24.95.
18513 Cassette ★ **Only $8.95**
18369 Disk **Only $20.95**

MYSTERY MELODY. A challenging musical game for one or two players. The object is to recognize the title of a song as quickly as possible. You score points based on how quickly you give an answer. Fun for the entire family.
Sug. retail—Cassette $9.95, Diskette $14.95.
18496 Cassette ★ **Only $8.95**
18340 Disk **Only $12.95**

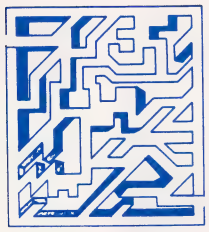
SATURDAY NIGHT BINGO. Play one of the most popular multi-player games—BINGO—with the aid of a computer. The program randomly selects the numbers to be called and then reads them aloud. Use an automatic or manual mode to set the pace of the game. Perfect for organizations that conduct large BINGO games. Requires Speech Synthesizer.
Sug. retail—Cassette $9.95, Diskette $29.95.
18527 Cassette ★ **Only $8.95**
18374 Disk **Only $23.95**

DRAW POKER. Mind teasing, one-player card game that pits you against the computer. The computer shuffles, deals and handles the details of play while you raise, call, fold, and discard. Your hand is dealt with all five cards showing while the computer's hand is dealt face down. A bankroll of $5,000 is given to both you and the computer. Play continues until one player loses his bankroll. Requires Extended BASIC.
Sug. retail—Cassette $9.95, Diskette $24.95.
18532 Cassette ★ **Only $8.95**
18388 Disk **Only $20.95**

MARKET SIMULATION. A simulation package places two contestants in head-on business competition. Choose the amount of advertising, how many units to produce, etc., and watch the results. Strikes and economic changes make this educational game even more realistic.
Sug. retail—Cassette $14.95, Diskette $19.95.
18001 Cassette ★ **Only $12.95**
16700 Disk **Only $15.95**

Independent Software

CROSSUMS. For up to 5 players, this game from Oak Tree Systems is fun for both adults and youngsters with basic arithmetic skills. The object of the game is to produce rows and columns of numbers (similar to the word game Scrabble®) in which all rows and columns add to a multiple of a given number. You can give that number a value from 2 to 16. Built in computer opponents.
15057 Cassette **$14.95**
15061 Disk **$14.95**



3-D Maze

3 D MAZE. From American Software. The realistic 3D graphics allow you to explore hundreds of different mazes, some easy, some difficult. Avoid the dead ends and loops to find the exit. Awarding it four stars, the TI Users Group called this one "the finest maze program we have seen." Ages 12 to adult. Requires Extended BASIC.
10478 Cassette **$14.95**
11166 Disk **$16.95**

SANTA PARAVIA AND FIUMACCIO. The year is 1400, and you are the ambitious ruler of a tiny Italian city-state. You and your fellow players compete as rulers of neighboring cities. Control the grain harvest, feed your people, set tax rates, invest in public works, and, most important, try to build your kingdom. Play by yourself, or with up to six players in all. From Instant Software.
12773 Cassette **$14.95**

COSMIC COUP. A two player board game of strategic cosmic combat. Send your starships into battle to gain control of 6 planets. Use your lasers, bombs, and shields, but watch your energy usage! Ten customizing parameters to vary the flavor of the game. From Easyware.
11447 Cassette **$16.95**

DEFLECTORS. Search a grid for hidden deflectors by shooting beams into it and analyzing where they exit. A great game of deductive logic from Easyware for 1 to 6 players.
11452 Cassette **$14.95**

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QUIMBEE. An exciting dice game from Dynamic Data, for 1 to 6 players. Three levels of play. Features color graphics and sounds. Allow saving high scores and even saving the current game to resume play later. Requires Extended BASIC.
11588 Cassette $19.95
11593 Disk $19.95

Bomb Squad

BOMB SQUAD. Great high intensity excitement from American Software! Time is ticking away and you must defuse the loudly ticking bomb before it explodes. Use logic to deduce which circuit must be cut. Awarded four stars by the TI Users Group. Recommended for ages 12 to adult. Requires Extended BASIC.
10482 Cassette $14.95
11171 Disk $16.95

CODE-BREAKER. Three games in one package from Program Design! The first game scrambles letters within words in a message you must decipher. The second two games scramble the words, too. Hardest messages are in the third game. Ages 10 to adult.
10641 Cassette $18.95

BACKGAMMON FOR TWO. Full color graphics bring this classic game to life! Easy instructions and easy movement using the cursor. For two players. From Easyware.
11466 Cassette $16.95

COPYCATS. From 1 to 8 players can test their memory with this fun and exciting game of tones and lights from Easyware. Players try to remember a series of tones and lights generated by the computer or another player. Joysticks optional.
11490 Cassette $9.95

CRYPTIC CODE. Can you crack the secret code? Make a guess and receive a clue. Refine your guesses until you break the code. For 1-6 players. Players specify number of positions in the code (2-9), and number of digits which may appear in any position in the code (2-9). From Easyware.
11502 Cassette $9.95

EXTENDED HANGMAN. Many interesting features separate this Extended Software game from other word games. Good, quick graphics, music, sound, and optional speech support a base list of 580 words from 4 to 9 letters. Or, input your own words! Three levels of difficulty when using the built in word base. Requires Extended BASIC. **TIC-TAC-TOE.** Four difficulty levels keep this computer version of the pencil and paper classic interesting for novices and experts alike. From Extended Software.
11697 Cassette (Both games) $9.95
11709 Disk (Both games) $9.95

CONQUEST IN SPACE. Use your fleet of ships to obtain the rich mining sector of Ke'nara for your empire, but be careful! An opposing empire also seeks the riches of Ke'nara, and the surroundings are treacherous. A graphic strategy game for two players from Pegasus. Requires Extended BASIC.
20919 Cassette $17.95

ASSAULT FORCE. A castle in the middle ages is the setting for this graphic strategy game for two players. One player defends the castle, while the other, armed with swords, bows, and bombs, attempts to rescue the king imprisoned within! From Pegasus.
Requires Extended BASIC.
20923 Cassette $14.95

FAMILY GAME PAK. A value packed trio of Pewterware family games that originally sold separately for $14.95 each! Included Roll Five, a dice game; Match Wits, a game of concentration for 1 to 4 players; and Challenge Poker, an unusual cross between solitaire and poker in which the player places cards on a 5 by 5 grid to form the best poker hands. In TI BASIC from Pewterware.
20661 Cassette $19.95

SLOT MACHINE FUN

BELLS, BARS, & RATCHETS. This slot machine simulation from Gembar Graphics is fun for all ages. You can set the generosity level of the machine, your initial bankroll, payoff schedule for various combinations.
12492 Cassette $14.95

CHALLENGER

3-D STALKERS. The ultimate 2-player strategy game. You and your opponent are trapped in a three dimensional maze from which only one can escape. A game of wits and cunning from CHALLENGER Software International. Requires Extended BASIC.
21006 Cassette $17.95

DRAW POKER. Match your skill and luck against those of the TI computer. A very realistic simulation from CHALLENGER Software International—The computer actually observes your play and adjusts its play to yours.
21044 Cassette $17.95

FUTURA

CASINO PACK. Try your luck at Blackjack, Craps or the Slot-Machine. Start with a $100 roll and take your chances. The odds are you'll have fun! Las Vegas rules—double or split; take out insurance... Roll 7 or 11 and avoid snake-eyes and box cars... Watch the bells, cherries and lemons zip by... Accurate pay-offs and betting odds. From FUTURA.
12026 Cassette $19.95
12031 Disk $21.95

WALL STREET. Both a fun and educational game. Start with ten grand and become a Millionaire (or a pauper) on the Stock Market. You buy and sell stocks and bonds. You borow on margin for 10% interest, up to one-half of the value of your assets. Watch the stock board as values change. Keep an eye on Economic indicators. A realistic simulation from FUTURA. Optional version requires Extended BASIC.
12149 Cassette $19.95
12154 Cassette (requires Ext. BASIC) $19.95

CHALLENGE I. Ten great colored frogs, five green and five red, lined up in a row. Try to get the frogs to exchange position, by leap-frogging. Five frogs sitting around a pool... Can you get the last frog in the pond before your opponent? Play a friend, or play the computer. Two games in one, great for all ages. From FUTURA.
12045 Cassette $16.95

CHALLENGE II. Play Nim or Tic-Tac-Toe, the game for all ages. Compete against a friend, or your friendly(?) computer. Plenty of strategy and cunning skills required. Enjoy hours of fun.
12050 Cassette $16.95

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HALL SOFTWARE

BLACKJACK. The casino favorite brought to the TI 99/4A by Hall Software. One or two players can play against the computer dealer. Allows splitting doubles. Requires Extended Basic.
21100 Cassette $11.95

BINGO WITH SPEECH. Play against a friend or let the computer play one card while you play the other. Hear each number called plainly. Winners are detected automatically. From Hall Software. Requires Extended Basic and Speech Synthesizer.
21115 Cassette $11.95

HIDDEN NUMBERS. Behind each of the fifty-four panels lurks a number from one to ten. In this game for one or two players you uncover the numbers two at a time. If they match, you get that many points. A great test of memory from Hall Software.
Requires two joysticks.
21129 Cassette, BASIC $11.95
21134 Cassette, Extended Basic $11.95

EXTENDED

ARTILLERY. A game of ballistics played on randomly generated terrain. You determine the angle and power of each shot. Wind feature keeps game challenging. For one or two players. From Extended Software.
Requires Extended Basic.
11771 Cassette $9.95
11785 Disk $9.95

DE-CYPHER. A code-breaking game from Extended Software. Includes help feature. 50 messages built in, plus the ability to add your own.
Requires Extended Basic.
11790 Cassette $9.95
11803 Disk $9.95

PUZZLE 15. Remember the pocket game in which you moved plastic squares using one empty space until they were in order? Extended Software has brought it into the electronic age. In this game, you move 15 letter squares around a 4x4 board until they are in order. The computer keeps track of the number of moves you took. Boards are randomly generated; also you can replay the same board for competition or to try to improve your score. Requires Extended Basic.
11818 Cassette $9.95
11822 Disk $9.95

FLIP CHECKERS. Outsmart the computer or your opponent by getting all checkers flipped to your color. Computer determines its moves pleasingly fast. Unique clock feature keeps track of play time. From Extended Software. Requires joysticks and Extended Basic.
11837 Cassette $9.95
11841 Disk $9.95

GAMES PAK II-ARTILLERY, DE-CYPHER, PUZZLE 15, FLIP CHECKERS. All four Extended Software programs on one convenient cassette or disk. Prices of individual programs total $39.80!
11856 Cassette $26.95
11860 Disk $26.95

Great Software from NOT-POLYOPTICS— the leader in TI Strategy & Board Games

ADDVANCE. A computerized board game for 1, 2, or 3 players from NOT-POLYOPTICS, played on a changing matrix of squares. Move your piece across the screen, purchase squares, attack opponents, block or run for it!
10675 Cassette $13.00

ANT WARS. It's the red ants against the black in this war simulation for 1 or 2 players from NOT-POLYOP-

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TICS. Start from scattered positions and then organize your army to defend the next, find food, and attack your opponent. An optional spider adds an interesting third party.
10689 Cassette **$18.00**

CARS & CARCASSES. Run down the monsters to survive in this program for one player from NOT-POLYOPTICS. Prevent the draculas, frankensteins and space monsters from taking over your city.
10694 Cassette **$10.00**

CROSSES. An interesting game of juxtaposition for two. Markers are alternately put into a square game board; put in the center of a cross and capture it. Different from Go or Othello—the chain reactions are so numerous you need a computer to keep track! From NOT-POLYOPTICS.
10706 Cassette **$10.00**

HORDES
Game of Global Conquest

HORDES. Excellent graphics highlight this game or global conquest from NOT-POLYOPTICS. On a map board display, your armies attack and conquer territories. Your navies convoy armies, blockade straights, and hold seas. A tactical challenge for 2, 3 or 4 players.
10711 Cassette **$18.00**

KHE SANH
Guerilla War in Viet Nam

KHE SANH. A tactical skill game from NOT-POLYOPTICS for one player. You command a military base in Viet Nam during the Tet offensive. Use five platoons and four helicopters to flush out the enemy and defend your convoys.
10725 Cassette **$18.00**

MAZE OF ARIEL. You have grenades and a lantern to travel the ever changing maze five times. Watch out for the dragon, though. 1 player. From NOT-POLYOPTICS.
10730 Cassette **$13.00**

SHIPS! Seagoing conflict from NOT-POLYOPTICS. Choice of two scenarios—Mediterranean Piracy and Engagement Biscay. For two players—each admiral commands 3 men-of-war and must sail them according to the changing winds.
10759 Cassette **$15.00**

STARSHIP PEGASUS. Contact Extra-Terrestrial Intelligence in this game for 1 player from NOT-POLYOPTICS. Explore and conquer a different corner of the galaxy every time you play. The screen shows you each solar system you approach—you must find, contact, and exploit the alien races by force of diplomacy.
10763 Cassette **$18.00**

TICKWORLD. When does the hunter become the hunted? In this game for one player from NOT-POLYOPTICS, of course. Try to capture and cage eight hungry ticks before they get you. Randomly generated game board is different every game.
10778 Cassette **$13.00**

SENGOKU JIDAI. A warfare simulation game from NOT-POLYOPTICS based on the period in Japanese history known as the age of Warring States. Defend your castle stronghold and make war on your neighbors with armies composed of samurai, archers, and footsoldiers. Terrain, strength, formation, and luck affect battle results. For 2-3 players.
10744 Cassette **$18.00**

WINGING IT
Flight Simulator

WINGING IT. Turn your television into the cockpit of a private airplane! Learn to fly, and then test your skill in three games. Displays ground map and weather chart plus instruments. For 1 player. From NOT-POLYOPTICS.
10782 Cassette **$15.00**

education

TI Command Modules

EARLY LEARNING FUN. Colorful, exciting, and educational activities help teach shape, number and letter recognition, counting, sorting, and the alphabet—as well as teaching first computer skills. Fun for children ages 3 through 6.
16203 Module **★Only $14.95**

BEGINNING GRAMMAR. Engaging and colorful activities that introduce the basic parts of speech and how they are used to build sentences. Valuable practice and hours of fun for children grades 2 through 5.

16218 Module **★Only $14.95**

NUMBER MAGIC. An exciting math-education program. Provides valuable enrichment, drill and practice in basic mathematics—with exciting full-color displays and sound. In the tradition of Texas Instruments highly popular Little Professor™ and Dataman™ learning aids. Rewarding fun and learning for children ages 6 and up.

16222 Module **★Only $14.95**

VIDEO GRAPHS. An easy-to-use program for creating your own designs by interacting with preprogrammed graphics. Lets you explore the unique color and graphic capabilities of the TI-99/4 by designing computer pictures and patterns. For all ages.

16237 Module **★Only $14.95**

EARLY READING. Engaging color graphics and computer speech introduce and reinforce important reading skills. Great learning experience and fun for beginning readers. Developed by TI in conjunction with the educational staff of Scott, Foresman and Company. Speech Synthesizer required.
Sug. retail $39.95.
16307 Module **Only $32.95**

ADDITION/SUBTRACTION 1. This is the initial module in a series TI developed in conjunction with Scott, Foresman and Company, a leading publisher of educational textbooks. Teaches basic arithmetic skills and provides drills for reinforcement. For grade level 1. Speech Synthesizer recommended.
Sug. retail $39.95.
16364 Module **Only $31.95**

ADDITION/SUBTRACTION 2. Second in a series of addition and subtraction tutorial packages involving more difficult problems and techniques than found in Addition/Subtraction 1. Developed in conjunction with Scott, Foresman and Company. For grade levels 1-2. Speech Synthesizer recommended.
Sug. retail $39.95.
16379 Module **Only $31.95**

MULTIPLICATION 1. Another math tutorial tool that teaches the basics of multiplication. Excellent step-by-step teaching process makes learning fun. Developed in conjunction with Scott, Foresman and Company. For grade 3-4. Speech Synthesizer recommended.
Sug. retail $39.95.
16383 Module **Only $31.95**
DIVISION 1. Sug. retail $39.95.
16398 Module **Only $31.95**

TI LOGO II. This child-appropriate computer language not only develops computer awareness, but enriches a child's math, logic and communication skills as well. Based on a philosophy of education developed by Seymour Papert and the staff of the Artificial Intelligence Laboratory at the Massachusetts Institute of Technology (MIT), TI LOGO II creates computer-based environments in which mathematics and other areas of "formal" learning can occur in a natural manner. Students actually teach the computer how to do things! LOGO II includes music, sprite, and printing capability. Requires Memory Expansion Unit.
Sug. retail $129.95.
16294 Module **Only $74.95**

READING SERIES. Developed in conjunction with respected educational publisher Scott, Foresman & Co., this series of reading programs use stories and colorful graphics to promote learning. Progressive difficulty levels: Reading Fun is recommended for Grades 1-3, Reading Roundup Grade 4, and Reading Flight Grade 6. Speech Synthesizer optional, but recommended for earlier levels. Sug. retail $39.95 each.

16312 Reading Fun—Module	**Only $32.95**
16326 Reading On—Module	**Only $32.95**
16331 Reading Roundup—Module	**Only $32.95**
16345 Reading Rally—Module	**Only $32.95**
16350 Reading Flight—Module	**Only $32.95**

SCHOLASTIC SPELLING. Individual programs for 4 different student levels contain exercises and lessons to develop spelling proficiency. Each level offers 36 lessons and three spelling games with 16 or more spelling words in each lesson. Speech Synthesizer is required.
Sug. retail $39.95 each.

16429 Level 3—Module	**Only $32.95**
16434 Level 4—Module	**Only $32.95**
16448 Level 5—Module	**Only $32.95**
16453 Level 6—Module	**Only $32.95**

MILLIKEN MATH. Eight Command Modules provide drill and practice for grades 1 thru 8 on math basics in Addition, Subtraction, Multiplication, Division, Integers, Fractions, Decimals, and Percents.

16518 Addition—Module	**Only $19.95**
16522 Subtraction—Module	**Only $19.95**
16537 Multiplication—Module	**Only $19.95**
16541 Division—Module	**Only $19.95**
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21191 Numeration—Module	★ **Only $19.95**
16594 Laws of Arithmetic	★ **Only $19.95**
16607 Equations	★ **Only $19.95**
16612 Measurement Formulas	★ **Only $19.95**
16560 Fraction	★ **Only $19.95**

COMPUTER MATH GAMES. Designed with progressive levels of difficulty for grades one through nine, these modules offer challenging math games that make learning fun. Titles include "Math Basketball," "Tic-Tac Math," "Horse Race," and many more. Developed for TI by Addison Wesley. Each module features different games.

16467 CMG I—Module	**Only $32.95**
16472 CMG II—Module	★ **Only $19.95**
16486 CMG III—Module	**Only $32.95**
16491 CMG IV—Module	★ **Only $19.95**
16503 CMG VI—Module	★ **Only $19.95**

ALIEN ADDITION. Fight off waves of invaders by firing correct answers to addition problems that appear on the alien spacecraft. Provides practice with addition problems for 0 to 9.

16631 Module ★ **Only $14.95**

MINUS MISSION. A robot fights valiantly to defend its territory from creeping slime! Help the robot by providing correct answers to subtraction problems that appear on the blobs of slime. Provides practice with subtraction problems for numbers 0 to 9.

16664 Module ★ **Only $14.95**

ALLIGATOR MIX. Friendly but finicky alligators lurk in this swamp! You must feed them with apples that bear the correct answer to the addition or subtraction problem that appears on their stomachs. Covers addition and subtraction for numbers from 0 to 9.

16626 Module ★ **Only $14.95**

METEOR MULTIPLICATION. A violent meteor shower threatens a star station. The inhabitants of the star station defend themselves against the meteors by firing the correct answer to the multiplication problem that appears on each meteor. Provides practice with multiplication problems for numbers from 0 to 9.

16679 Module ★ **Only $14.95**

DEMOLITION DIVISION. Four tanks, each bearing a division problem, advance on your bunkers. Stop the tanks with the correct answers. Fast action encourages practice with division problems for numbers 0 to 9.

16645 Module ★ **Only $14.95**

DRAGON MIX. Help the dragon defend the city against the attacking enemy by matching the correct answers to the multiplication and division problems which the invaders carry. For practicing multiplication and division problems for numbers between 0 to 9.

16650 Module ★ **Only $14.95**

LEARN TOUCH TYPING WITH YOUR TI COMPUTER!

TOUCH TYPING. This program not only teaches touch typing on the Home Computer keyboard, but also measures and improves typing speed and selects appropriate exercises for work in each typist's work areas. A great way to improve your "keyboard literacy!"

Sug. retail $39.95.
16289 Module **Only $31.95**

TI Cassette & Disk Software

SPEAK & SPELL™ PROGRAM. Offers the same features as the popular TI learning aid. Children can hear a word pronounced correctly as they learn to recognize and spell it. Five activities provide valuable tools to make learning fun. "Spell" pronounces a word and asks the child to type the correct spelling. "Mystery Word" selects a word and the child tries to guess it by spelling it correctly. "Say it" prompts a child to say a word and then spell it. "Secret Code" codes a word so that no one can read it until the coded word is entered and decoded by the computer. These and other exercises will help children become more at ease with the spelling of different words. Requires Speech Synthesizer.

Sug. retail $29.95.
16734 Disk **Only $23.95**

SPEAK & MATH™ PROGRAM. Offers the same practice in addition, subtraction, multiplication, division, number relationships and problem-solving that is available in the popular hand-held learning aid. With the Speech Synthesizer and Terminal Emulator II Command Module inserted, the Text-to-Speech system reproduces the human voice electronically. Activities include Solve It and Mix It, Greater/Less, Write It and Number Stumper. Requires Speech Synthesizer and Terminal Emulator II.

Sug. retail—cassette $24.95, disk $29.95.

18020 Cassette	★ **Only $12.95**
16748 Disk	**Only $23.95**

SPELL WRITER. Three Speak & Spell™ packages using Text-to-Speech technology. Consists of a program enabling the design of customized spelling lessons, a program in word games and a file transfer program to make additional copies of word lists. Virtually unlimited vocabulary is attainable. Requires Terminal Emulator II package and Speech Synthesizer.

Sug. retail—cassette $24.95, disk $29.95.

18054 Cassette	★ **Only $12.95**
16772 Disk	**Only $23.95**

MECC VOLUMES. These eleven disk-based programs developed by the Minnesota Educational Computing Consortium include valuable math and science exercises for grades 1-8.

Sug. retail $29.95 each.

16786 Metric and Counting—Disk	**Only $24.95**
16791 Elementary Economics—Disk	**Only $24.95**
16804 Elementary Math & Science—Disk	**Only $24.95**
16819 Astronomy—Disk	**Only $24.95**
16823 Word Beginnings—Disk	**Only $24.95**
16838 Exploring—Disk	**Only $24.95**
16842 Math Practice—Disk	**Only $24.95**
16857 Science Facts—Disk	**Only $24.95**
16861 Natural Science—Disk	**Only $24.95**
16876 Social Science—Disk	**Only $24.95**
16880 Teacher's Tool Box—Disk	**Only $24.95**

Independent Software

PRESCHOOL IQ BUILDER. Actually two programs in one. Part 1, Same and Different, teaches the child to discriminate between shapes. In Part 2, Letter Builder, the child matches a letter on the screen to one on the keyboard. Includes Parent's Guide. Ages 3 to 6. From Program Design.
10660 Cassette **$18.95**

MR. FROG. This is actually three games in one. Letter Hop is a letter recognition game in which the child presses the space bar until the frog hops to the correct letter. Rock Hop is a counting game in which the child must determine how many hops to a rock over scattered lily pads. In Frog Race, the child races against a friend or the computer. Features excellent graphics and music and was awarded four stars by the TI Users Group. Ages 2 to 7. Requires Extended BASIC. From American Software.

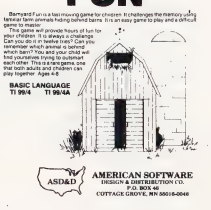
10463 Cassette	**$14.95**
11152 Disk	**$16.95**

Independent Plug-In Cartridges

TYPO II. Increase your word power and typing skills too! You can select any speed from 1 to 120 words per minute, and can even input your own list of words. Not only will you develop the skill of touch typing, but your speed will increase with every fun-filled hour you play the game. From ROMOX.

Sug. retail $39.95.
20198 Cartridge **$34.95**

BARNYARD FUN



BARNYARD FUN. This fast moving game challenges the memory using familiar farm animals hiding behind barns. Even adults will enjoy playing this game with their children. Colorful graphics hold the youngster's attention. Ages 4 to 8. From American Software.

10497 Cassette	**$14.95**
11217 Disk	**$16.95**

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DIRECTION AND DISTANCE. Children learn the eight directions of the compass as well as how to estimate distances on the screen in this game format program from Micro-Ed. Early learners and primary grades.
14303 Cassette **$9.95**
14318 Disk **$12.95**

CLOCK. Children learn to tell time the easy way in this program from Micro-Ed. A clock face is displayed, and the child must enter the time shown by the hands. Typing "H" for help will display the time if the child doesn't know the answers. Summarizes performance at end of lesson.
14322 Cassette **$9.95**
14337 Disk **$12.95**

COUNT 'EM. How many rabbits are on the screen? If the child guesses the correct numbers (from one to ten), the right answer rabbit hops across the screen; if not, a cartoon style bomb appears! Summarizes performance at end of lesson. By Micro-Ed.
14228 Cassette **$9.95**
14233 Disk **$12.95**

HAPPY MATH. Addition and subtraction fun for 4 to 6 year olds from Maple Leaf. Animated, endearing happy face character waves encouragement. Adjusts difficulty to player's ability. Optional voice output requires Speech Synthesizer and Terminal Emulator 2 module.
12913 Cassette **$12.95**

COUNTING WITH COINS. Large, colorful, realistic coin designs are featured in this new offering from Maple Leaf Microware. Teaches children to count coins in tutorial and quiz format. Difficulty adjusts to player ability. Available for United States, Canadian or Mexican coins.
12881 Cassette, U.S. Coins **$12.95**
12896 Cassette, Canadian Coins **$12.95**
12908 Cassette, Mexican Coins **$12.95**

Great New Programs for Kids from KIDWARE

• ENTERTAINING • EDUCATIONAL
• ECONOMICAL

HANGMAN. Features excellent graphics with animation and tests a child's spelling abilities. The program has nearly 400 words built-in for individual practice, or any word may be entered for a two player game. **MEMORY** is like the old TV game "Concentration." Two players find matching pairs of letters on a playing board. Whoever gets the most matches wins!
21203 Cassette **$10.95**

ZIGGY BALL. Is like the original Pong videogame. Using joysticks, two players battle with a ball that only moves diagonally. Teaches hand-eye coordination. **TIC-TAC-TOE** is the old favorite. Unlike most computer versions, however, you can win on this game.
21218 Cassette **$10.95**

NUMBERS I. Uses magic hats and number factories to help your preschooler learn and recognize numbers. Lively animated graphics make this game extra fun. **NUMBERS II** teaches the concepts of before and after and provides an introduction for addition and subtraction skills. Colorful scoring system gives rewards to top performers.
21222 Cassette **$10.95**

LETTERS I. Teaches preschoolers the upper case letters. Animated graphics feature magic genie bottles and alien spacecraft. Also helps your child learn letter locations on the keyboard. **LETTERS II** teaches the alphabet using bright graphics. Two games, "Before and After" and "Fill in Blanks," help your child learn where each letter belongs. Built-in scoring provides performance measurement.
21237 Cassette **$10.95**

MACDONALD'S FARM. Asks you to help Farmer MacDonald round up his runaway animals. A nice rendition of "Old MacDonald Had a Farm" plays whenever you find an animal and get him back into the barn. This is our most popular game. **SIMON SAYS** plays a musical tone and color pattern and you must repeat it exactly or Simon wins. Starts out easy and gets harder.
21241 Cassette **$10.95**

BUNNY COUNT. Lets you count the bunnies as they hop across the screen. Good game for the child just learning to count. Colorful rewards for good performance. **EARLY MATH** presents addition and subtraction problems with the numbers 0 to 9. A tutorial program that graphically demonstrates adding and taking away. Positive rewards build confidence.
21256 Cassette **$10.95**

ADDITION. Is the first of a four program series in basic arithmetic skills. This program features flash card drills in addition. The level of problem difficulty can be varied and, based on player performance, the computer will encourage moving to different skill levels or to different programs. A timer option challenges the player's ability to answer quickly, as well as accurately. **SUBTRACTION** is similar, but with subtraction problems.
21260 Cassette **$10.95**

MULTIPLICATION. Is like the **ADDITION** program, but with multiplication drills. Similarly **DIVISION** provides division exercises.
21275 Cassette **$10.95**

SHAPES. Provides two games in shape recognition. In the first game, the player names eight basic shapes. The second game asks the player to match like shapes. **DIRECTIONS** is a tutorial program that teaches left and right and top and bottom. Two colorful friends, Tom and Kate, help in the learning process.
21289 Cassette **$10.95**

HIDDEN LETTERS. Hides five letters on the screen. Using clues from the computer, you must guess what they are. Bright colors and lively music are featured. **LETTERS III** is a good program for the child just learning the alphabet. A lower case letter is displayed and the child must press the correct upper case letter to receive a "smiley face" reward.
21294 Cassette **$10.95**

JACK IN THE BOX. Is a program that even a one year old can run. Simply press the space bar to hear "Pop Goes the Weasel" and see a funny clown jump in and out of his box. **AMERICA** is a demonstration program to show you what can be done with the Home Computer graphics and music. "America the Beautiful" gives an outline map of our country, while "You're a Grand Old Flag" draws Old Glory.
21307 Cassette **$10.95**

JUNIOR HANGMAN. Is an alternate version of the popular HANGMAN game. This version has over 350 built-in words for five and six year olds. The program was developed and tested under the guidance of a veteran Kindergarten teacher. **JUNIOR MEMORY** allows two players to compete in finding matched pairs of shapes on a 16 square playing board. A junior-level concentration-type game. The most matches wins!
21312 Cassette **$10.95**

GLOW WORM. Is one of Kidware's most popular games. Help your worm gobble up food pellets without bumping into the wall or biting himself. Gets increasingly difficult as the game goes on (requires joysticks). **HUMPTY DUMPTY** is a computer jigsaw puzzle for kids. Put Humpty back together after he falls off the wall. Has fun music and nice colors.
21326 Cassette **$10.95**

SHOOT THE MOON. Is a spelling competition for up to four players. Play two games, "Flasher" and "Scrambler," with your spelling list. You can even save the list on tape for future use. Great program for home or school. **SPELLMAN** lets you play "Hangman" with your own spelling list. The list can be typed in or read from cassette tape. Optionally, when finished playing, your list can be saved on tape for later reference. Ideal program for elementary school kids.
21331 Cassette **$10.95**

MATH TEST. Was written for the classroom, but could also be used at home. The computer gives a math test of up to 30 problems (that you specify) to a maximum of 40 students. The computer scores and stores the result of each test for the teacher's information. Each test can be stored on tape for later use. **FACTORS** features flash card practice in basic addition, subtraction, multiplication, and/or division, with any factor you choose. Computer scoring and evaluation helps build your child's confidence.
21345 Cassette **$10.95**

SECRET NUMBER. Lets you guess a hidden number using computer-given clues. You specify how large the number can be. For two players—has built-in scoring. **MIXER** displays a scrambled word and you have to guess what it is. If you miss, the computer will give clues to help you. Has over 400 words, or you can enter your own word for two player competition.
21350 Cassette **$10.95**

BURIED TREASURE. Is a search for hidden riches using your special "treasure finder." Watch out for rocks and cave-ins. A fun game for the entire family. **EGG HUNT** allows two players to go on an Easter egg hunt using the joysticks. The person with the most eggs wins. Be careful not to bump into trees or each other because you lose your eggs.
21364 Cassette **$10.95**

XYLOPHONE. Is a colorful computer music maker. You can play any of nine built-in children's songs, or program your own for playback. Features fast-action, bright graphics. **SQUARE PUZZLE** is the classic 1950's game. Arrange 15 lettered squares in proper order on a 4 by 4 playing board. The computer keeps track of how many moves you made in completing the puzzle.
21379 Cassette **$10.95**

COLORS. Has two fun games in color discrimination and recognition. The first asks you to name seven basic colors. In the second game, the player must match identically colored squares. **NUMBER NAMES** has two games relating digits and names for the numbers 0 to 9.
21383 Cassette **$10.95**

GO FISH. Lets you cast your line and haul in the big ones. Fun animated action. Features crabs that cut your line and clams that steal your bait. See how many pounds of fish you can catch. **SLEDDING** challenges you to guide your sled down a fast, snow-covered hill with the joysticks. Watch out for trees and rocks!
21398 Cassette **$10.95**

HANGMATH. Is a different kind of "Hangman" game. You try to guess the numbers and arithmetic operators in a randomly selected math problem. Has different difficulty levels. **THREE FUN GAMES** has three "no frills" number guessing games: HI/LO, CODE, and SEQUENCE.
21400 Cassette **$10.95**

computers and computer languages

TI Cassette & Disk Software

TEACH YOURSELF BASIC. Learn to program in BASIC the easy way—let the computer teach you! Ten on-screen lessons give hands-on experience with everything from simple commands to color graphics and sound. Developed in conjunction with Wolfdata Corporation.
Sug. retail price—Cassette $29.95, Disk $34.95.
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TEACH YOURSELF EXTENDED BASIC. Learn how to use Extended BASIC through this tutorial program. A progressive learning process helps you learn what can be done with this high-level language. Includes seven chapters of tutorial lessons. Requires Extended Basic.
Sug. retail price—Cassette $19.95, Disk $24.95.
18833 Cassette **Only $16.95**
18693 Disk **Only $19.95**

BEGINNERS BASIC TUTOR. A new way to learn Basic from TI. Sug. retail—Cassette $24.95, Disk $29.95.
18847 Cassette **Only $20.95**
18777 Disk **Only $24.95**

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Independent Software

TEACH YOURSELF THE BASICS OF BASIC. This new program from KIS-MIF is a great way for beginners to become familiar with the TI 99/4A and learn to write programs in Basic. We found this program to be more user-friendly and more interactive than the comparable TI program—in many places it pauses to let you try out the commands to see what they actually do. The authors, who have over 30 years of combined teaching and computer programming experience, designed the program to be simple enough for children and computer neophytes. This is actually a series of 7 programs on the same tape.
21448 Cassette $24.50

education MATH

STORY PROBLEMS IN ADDITION AND SUBTRACTION. Students read and understand stories, many about a Great Castle with lords and knights in its 103 rooms, and solve the arithmetic problems they present. Summarizes performance at completion. Elementary level. Requires Extended BASIC. By Micro-Ed.
14528 Cassette $9.95
14533 Disk $12.95

TARGET MATH. The learner selects problems in addition, subtraction, multiplication, or division at a difficulty level of his choice. When the learner answers a problem, a target appears and a parachutist jumps from a moving plane. If the answer is correct, the parachutist hits the target and the next problem is presented. If the answer is too large or small, he lands to the right or left. Summarizes performance at completion. By Micro-Ed. Elementary level. Requires Extended BASIC.
14547 Cassette $9.95
14552 Disk $12.95

BAR GRAPH. Ten different problems from Micro-Ed, using a bar graph with varying information on it. Summarizes performance at completion. Elementary level.
14247 Cassette $9.95
14252 Disk $12.95

education SPELLING

GUESS THAT WORD. Create spelling lessons using your own words. Store up to fifty words each in any number of files. Or, use one of five built in word lists. The computer randomly selects words from the appropriate list, and displays a row of blue boxes equivalent in length to the word. The student may try to guess a letter, the whole word, or ask the computer to reveal a letter. Points are awarded or deducted, and a running score maintained. Includes sound effects. From Micro-Ed. Requires Extended BASIC.
14641 Cassette $9.95
14656 Disk $12.95

COMPOUND WORDS. Reinforce skill in breaking down compound words. This program from Micro-Ed selects a compound word randomly from a bank of 25; the student then must enter the two smaller words that make up the compound word. Performance summarized after ten words. Requires Extended BASIC.
14660 Cassette $9.95
14675 Disk $12.95

HARD AND SOFT C. Each problem in this program from Micro-Ed is a word (drawn from a bank of 50) containing a hard or soft C. The student must press "S" if it is a soft C sound or "K" if it is hard. Summarizes performance. Requires Extended BASIC.
14689 Cassette $9.95
14694 Disk $12.95

HARD AND SOFT G. Similar to Hard and Soft C, but student must differentiate the two "G" sounds. From Micro-Ed. Requires Extended BASIC.
14706 Cassette $9.95
14711 Disk $12.95

DROPPING THE FINAL E. This program from Micro-Ed teaches spelling skills related to forming a word from a base word with a final E and adding on ED or ING ending. Performance summarized. Requires Extended BASIC.
14725 Cassette $9.95
14730 Disk $12.95

Spelling Teacher

Spelling teacher is designed for students to enter their weekly spelling list from school. After you enter the words you want to study, the spelling teacher will flash the words back for you to spell. Flashing the word back for a fraction of a second actually reinforces correct spelling. The computer remembers the misspelled words and goes over them with you to help you learn them. A speech option is included for those with the speech synthesizer and terminal emulator II. From American.
11306 Cassette $19.95
11311 Disk $21.95

CONTRACTIONS. Teaches use of contractions by displaying either a contracted or uncontracted word; the student enters the other form. Two space warriors reward ten out of ten performance. From Micro-Ed. Requires Extended BASIC.
14744 Cassette $9.95
14759 Disk $12.95

PREFIXES. In this program from Micro-Ed, the student selects the correct prefix from a list to complete an incomplete word. Covers RE, CON, COM, EX, EN, IM, IN. Requires Extended BASIC.
14763 Cassette $9.95
14778 Disk $12.95

MORE PREFIXES. Similar to Prefixes, but covers PRE, PRO, DE, DIS, and UN. Requires Extended BASIC. From Micro-Ed.
14782 Cassette $9.95
14797 Disk $12.95

SUFFIXES. Similar to Prefixes, but works with suffixes. Covers NESS, MENT, TION, SION, ANCE, and ENCE. From Micro-Ed. Requires Extended BASIC.
14800 Cassette $9.95
14815 Disk $12.95

MORE SUFFIXES. Similar to Suffixes, but covers FUL, LESS, ANT, ENT, ABLE, IBLE, and OUS. From Micro-Ed. Requires Extended BASIC.
14829 Cassette $9.95
14834 Disk $12.95

Words in Context from MICRO-ED

WORDS IN CONTEXT SPELLING SERIES. Available for grade levels two to six, this major drill and practice series from MICRO-ED teaches spelling by first displaying a list of words that illustrates particular rules or patterns and then displaying sentences with words missing. The student either from memory or by recalling the list, selects the missing word and enters it. Performance is summarized at the end of each lesson. Each grade level consists of 36 lessons, each covering a specific rule, pattern, or group of words. 5-6 lessons per program.

Level A—Second Grade
14903 Cassette (7 programs) $49.95
14406 Disk (7 programs) $52.95

Level B—Third Grade
14918 Cassette (7 programs) $49.95
14411 Disk (7 programs) $52.95

Level C—Fourth Grade
14922 Cassette (7 programs) $49.95
14425 Disk (7 programs) $52.95

Level D—Fifth Grade
14937 Cassette (7 programs) $49.95
14430 Disk (7 programs) $52.95

Level E—Sixth Grade
14941 Cassette (7 programs) $49.95
14444 Disk (7 programs) $52.95

education GRAMMAR, USAGE, AND VOCABULARY

THE VERB. This program from Micro-Ed covers action verbs, linking verbs, and verb phrases. The subject matter is first defined and taught through example. The learner is then tested, and his performance summarized.
14209 Cassette $9.95
14214 Disk $12.95

MISPLACED OR DANGLING MODIFIERS. In this program from Micro-Ed, the learner determines whether twenty randomly presented sentences are correct or contain a phrase or clause modifying the wrong word. Summarizes performance. Requires Extended BASIC.
14867 Cassette $9.95
14872 Disk $12.95

TROUBLESOME PRONOUN. Since most errors in using pronouns occur in sentences that use a pronoun with a noun, a proper noun, or another pronoun, Micro-Ed presents an easy way to decide which usage is correct followed by a game-format quiz. Summarizes performance. Requires Extended BASIC.
14886 Cassette $9.95
14891 Disk $12.95

IDENTIFYING COMPLETE SENTENCES. Groups of words are displayed, and the student must identify whether or not it is a complete sentence. Performance summarized at finish. From Micro-Ed.
14360 Cassette $9.95
14375 Disk $12.95

RUN ON SENTENCES. The learner moves an arrow across the screen to divide a group of words into two complete sentences. During the lesson, the learner and the computer race airplanes across the top of the screen. Performance summarized. From Micro-Ed. Requires Extended BASIC.
14566 Cassette $9.95
14571 Disk $12.95

TACHISTOSCOPE. Evaluate and improve reading skills with this program from Micro-Ed. Small group of words are flashed on the screen, and the student must read each group at a glance and then type it correctly at the keyboard. Five different speed settings. Performance summarized. Elementary level.
14603 Cassette $9.95
14618 Disk $12.95

DICTIONARY GUIDE WORDS. The guide words in a dictionary are the words at the top of the page, representing the first and last words on that page. This program from Micro-Ed improves dictionary use skills by displaying words which in each case the learner must match to an appropriate set of guide words. Requires Extended BASIC.
14622 Cassette $9.95
14637 Disk $12.95

ANTONYM MACHINE. From a bank of 50 pairs of antonyms, this program from Micro-Ed picks a pair and displays one of the words. The student must then enter the antonym. Twenty randomly selected pairs per lesson. Elementary level. Summarizes performance.
14463 Cassette $9.95
14478 Disk $12.95

HOMONYM MACHINE. Similar to Antonym Machine, but works with pairs of similar sounding words like meet and meat. From Micro-Ed.
14482 Cassette $9.95
14497 Disk $12.95

PUNCTUATION SERIES. A drill and practice method for teaching punctuation from Micro-Ed, on eight separate lessons. The student examines a sentence selected by the computer and identifies where punctuation mistakes occur. Performance summarized at completion of each lesson. Requires Extended BASIC.
14585 Cassette (8 programs) $56.00
14590 Disk (8 programs) $59.00

USAGE BONERS. Correct common errors and prepare students for standardized achievement tests with this extensive drill and practice series from Micro-Ed. Contains 15 programs to review problems such as lack of agreement between subject and verb, double negatives, etc. Summarizes performance at end of each lesson. Requires Extended BASIC.
14848 Cassette $99.00
14853 Disk $99.00

education—OTHER

TRAIL WEST. Can you reach the gold fields of California before you run out of food, ammunition, clothes or supplies? In this educational game from Micro-Ed, the player hunts for food and travels across the country, contending with random events such as a big storm or an overturned wagon. For elementary through adult.
14285 Cassette **$9.95**
14290 Disk **$12.95**

MAKING AN OUTLINE. After reading an article presented by the computer, the student must finish a partially completed outline by selecting subtopics in the order in which they appear in the article. Performance summarized at end. From Micro-Ed Corp.
14389 Cassette **$9.95**
14394 Disk **$12.95**

ANALOGIES. Six programs from PROGRAM DESIGN that teach what an analogy is and what the common types are, provide a method for analyzing analogies, and provide practice in handling all types of analogies. The final lesson is an analogies test.
10656 Cassette **$18.95**

HAT IN THE RING. An interesting and educational exercise for two players, this program from Micro-Ed is designed to acquaint students with some of the political consideration in running a presidential candidate. Players must use a limited amount of resources to sway voters and make campaign issue decisions. Monitor who's ahead in all 50 states plus the District of Columbia as the game progresses. The candidate who gets the most electoral votes at the end of the final turn wins!
14341 Cassette **$9.95**
14356 Disk **$12.95**

MAPS AND GLOBES. This series is designed to be used with the booklet, Skills for Understanding Maps and Globes, by Job and Wolf (Follet Publishing Co.) Chapters include, A Map is Made; The Metric System; The New World; Flat Maps of a Round Earth; People and Products;—19 in all! One program covers each chapter. From Micro-Ed. (Additional student booklets are available—ask for prices.) Requires Extended BASIC.
14509 Cassette (19 programs) **$136.00**
14514 Disk (19 programs) **$136.00**

Teachers!

Write Your Own Courses!

ADVOCAITE AUTHORING SYSTEM. Teachers can write computer aided instruction courses without learning programming language. Designed by education professionals. This package features extensive branching capability to permit an unlimited number of student learning paths. The system includes color graphics and editing capability—all the software you need to easily prepare computer aided instruction for any purpose. Requires two disk drive units and Extended BASIC. From EduCAItor.
11359 Complete System—Disk **$195.00**

VALIDATE. Use with ADVOCAITE system above to provide cumulation statistics on student answers for individual screens. It is primarily used during course testing.
11363 Disk **$50.00**

ADMINISTRATE. Used with ADVOCAITE to monitor student progress. **General Student Progress Report** provides student names, current course progress and learning times. **Student Tracking Report** provides student names and listing of the students learning path, screen by screen. Also provides information on student question performance, including the number of answer attempts, answer sequences, and test scores.
11378 Disk **$95.00**

GRAPHICS DICTIONARY. For ADVOCAITE system. A file of 180 useful graphics characters to build into your programs. You can also design your own characters and add them to the dictionary for later use.
11382 Disk **$75.00**

ADVOCAITE SUPPLIES. Useful supplies to support your ADVOCAITE system.
11397 Demonstration Disk. A quick view of the system's capabilities. **$10.00**
11409 CAI Lesson Disk. For additional courses or instruction stations.
Eight for **$45.00**
11414 Author Guide.
A complete How To Manual. **$25.00**
11428 Worksheets. 50 Assorted **$5.00**

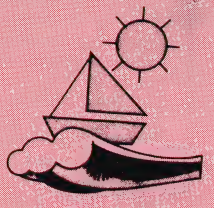
NOTE: This package is also available for the Apple (48K-Apple 11 Plus-one disk), IBM (64K, one disk, Advanced BASIC) and Xerox 820 personal computers at the same prices. Be sure to specify the system on your order.

NOTE: THE AUTHORS OF THIS SYSTEM ARE SURE YOU'LL BE SATISFIED, AND SO ARE WE. IF YOU PURCHASE ANY OF THE ADVOCAITE PROGRAMS AND ARE NOT SATISFIED, RETURN THEM IN 30 DAYS FOR A FULL REFUND OF YOUR PURCHASE PRICE.

GAME OF THE 50 STATES.

An educational game about the capital cities and nicknames of the 50 states. Utilizes color graphics, sound effects, and optional speech using the Speech Synthesizer and Terminal Emulator II. From Challenger Software International.
21059 Cassette **$17.95**

Logo Micro-Scenes



Children can create colorful, dynamic scenes with these activities. Children learn colors, letters of the alphabet, and the recognition and spelling of nouns, verbs, adjectives, and adverbs. Artificial rewards and scoring for right or wrong answers are avoided. A child's natural desire to learn reading and writing is fostered as they discover their ability to be creative and solve problems. Documentation includes picture and word cue cards, instructions for changing and adding words, and suggestions for use with various age and skill levels both at home and in the classroom. Ages 3-8. Logo language From American.

1. Beach Micro-scene
   A highway running along a waterfront is the setting of this action-packed activity.

21415 Cassette, Logo I **$19.95**
21429 Cassette, Logo II **$24.95**
20075 Disk, Logo I **$21.95**
21434 Disk, Logo II **$26.95**

NEW education FROM SCHOLASTIC WIZWARE

TURTLE TRACKS

Learn to write your own programs by creating your own designs. Use simple commands to draw pictures and patterns, and make melodies. Start with easy shapes, then combine them to build more complex programs. You can even watch your programs run one step at a time. **Turtle Tracks**™—the language that puts you on the track to computer programming. Recommended for ages 9 and up. (32K memory exp. req.)
11039 Cassette **$29.95**

ELECTRONIC PARTY

Games that make every day a birthday! SURPRISE... open the presents on the screen for surprise activities. Then follow the directions to act out something silly or serious. You can even program your own surprises! MAKE A CARD... use your computer to create original electronic greeting cards. You can write you own message and design your own illustrations for any occasion. Recommended ages 7-12.
11043 Cassette **$29.95**

SQUARE PAIRS

Matching games of memory and imagination. Increase your power of concentration and learn a few programming concepts, too. Start with our games and match numbers, words, or patterns. Then, use the **Square Pairs** Gamemaker™ to create lots of your own. You can make your games as simple, serious, or silly as you want. Play **Square Pairs** with your friends... make the most matches to win. Recommended ages 5-8.
11058 Cassette **$29.95**

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PLATO Courseware

For more than twenty years, PLATO courses have set the standard for computer-based education on mainframe computers. Now the entire PLATO Basic and High School Skills Learning System can be delivered on the TI Home Computer.

CALL FOR AVAILABILITY

Basic Skills

For children who need challenges or additional learning materials in course work generally presented in grades 3 to 8:

- Mathematics
- Reading • Grammar

High School Skills

For young adults who need challenges or more work in subjects usually presented in grades 9 to 12, and for older adults who want to brush-up on their skills or prepare for the General Educational Development (GED) exam:

- Mathematics • Science
- Reading • Social Studies
- Writing

The TI Home Computer as a tutor

The TI-99/4A with PLATO courseware now becomes a "special tutor" which

- is available at any hour, during weekends and vacations, never too busy for individual attention.
- lets the student set the pace—never so fast the student gets lost, never so slow it's boring.
- is infinitely patient, willing to repeat and review and retest a hundred times without getting upset or embarrassing the student.

Here's all that's required to use PLATO courseware:

- TI-99/4A Home Computer
- TI Disk Memory System
- TI Memory Expansion
- PLATO Interpreter Solid State Cartridge
- The PLATO Program Packages you choose

PLATO INTERPRETER. This cartridge is required to use the PLATO program diskettes. Sug. retail $49.95.

16683 Cartridge **Only $39.95**

PLATO PROGRAM PACKAGES (listed below). All PLATO program packages are disk based and require the PLATO Interpreter cartridge, the 32K Memory Expansion, and a disk system. Suggested retail for each package is $49.95. Order by part number and name of package.

EACH PACKAGE ONLY $39.95

How to get started

The PLATO program packages are listed below, along with the approximate grade levels at which that course content is usually taught. Young adults who want help with **High School Skills** are able to choose the programs they need from the list.

Parents interested in **Basic Skills** programs for their children get additional help when they buy the PLATO Interpreter Solid State Cartridge because the package includes:

- the Survey Diskettes, which asks your child questions to determine strengths and weaknesses in reading, grammar, and math.
- the Parent's Questionnaire, which asks you questions that help you assess your child's academic skills.

(For additional details regarding individual packages, please contact • TENEX.)

Basic Skills (Grades 1 through 8)

Mathematics

16895 Numbers 0-9 (1-3)
16907 Numbers 10-1000 (1-4)
16912 Addition 1 (1-3)
16926 Addition 2 (1-4)
16931 Subtraction—Basic Concepts (1-4)
16945 Subtraction Skills (1-4)
16950 Multiplication—Basic Concepts (2-6)
16964 Multiplication Skills 1 (2-6)
16979 Multiplication Skills 2 (2-6)
16983 Division—Basic Concepts (2-6)
16998 Division Skills 1 (2-6)
17009 Division Skills 2 (3-6)
17014 Fractions—Terminology and Concepts (2-5)
17028 Addition and Subtraction (3-7)
17033 Multiplication and Division (3-7)
17047 Decimals—Terminology and Concepts (3-8)
17052 Ratio, Proportion and Percents (3-7)
17066 Geometry—Basic Concepts (2-7)
17071 Measurement (3-7)

Reading

17085 Basic Word Building (2-5)
17090 More Basic Word Building (2-5)
17103 Complex Word Building (2-6)
17118 Prefixes, Suffixes, and Compound Words (3-7)
17122 More Prefixes and Suffixes (3-8)
17137 Prefixes and Suffixes in Context (4-8)
17141 Selecting the Proper Words (3-8)
17156 Choosing the Proper Words (3-8)
17160 Dealing with Confusing Words (3-8)
17175 Word Meanings (4-8)
17189 Applying New Words (4-8)
17194 Understanding and Using New Words (4-8)
17206 Locating Basic Facts (4-7)
17211 More Basic Facts from Reading (4-7)
17225 Understanding What You Read (5-8)
17230 Remembering What You Read (5-9)
17244 Remembering More of What You Read (5-9)
17259 Interpreting What You Read (5-9)
17263 Understanding Basic Facts (5-9)
17278 Understanding More of What You Read (5-9)
17282 Describers and Conclusions (6-9)
17297 Different Types of Describers and Conclusions (6-9)
17300 Understanding the Whole Story (6-9)
17315 Fact and Non-Fact (6-9)
17329 Author's Purpose (6-9)
17334 Evaluating What You Read (6-9)
17348 Author's Purpose and Your Conclusions (6-9)
17353 Separating Fact from Opinion (6-9)

Grammar

17367 Nouns and Verbs (3-8)
17386 More About Nouns and Verbs (3-6)
17391 Pronouns (3-6)
17403 Making Nouns and Pronouns Agree (3-7)
17418 Adjectives and Adverbs (3-7)
17422 Prepositions, Conjunctions, and Articles (3-8)
17437 Learning About Sentences (3-6)
17441 Phrases and Clauses (4-8)
17456 Subject and Verb Agreement (4-8)
17460 More about Sentences (4-8)
17475 More Than One (2-5)
17489 Word Confusion (3-7)
17494 Possessives (3-7)
17506 Capital Letters (3-5)
17511 Punctuation (3-9)
17525 Making Letters Look Right (3-9)
17530 Giving the Employer the Correct Information (6-9)

High School Skills (Grades 9 through 12)

Writing

17544 Spelling (4-7)
17559 Punctuation (4-7)
17563 Grammar 1 (4-7)
17578 Grammar 2 (4-7)
17582 Grammar 3 (5-8)
17597 Diction (5-8)
17600 Sentence Structure (6-9)
17615 Logic and Organization (6-9)

Mathematics

17629 Basic Numbers Ideas 1 (4-8)
17634 Basic Number Ideas 2 (4-8)
17648 Math Sentences in One Variable 1 (6-9)
17653 Math Sentences in One Variable 2 (6-11)
17667 Math Sentences in Two Variables (8-11)
17672 Geometry (8-11)
17686 Measurement (6-8)
17691 Special Topics (6-9)

Reading

17703 Practical Reading 1 (6-9)
17718 Practical Reading 2 (6-9)
17722 General Reading 1 (6-9)
17737 General Reading 2 (6-9)
17741 Prose Literature 1 (7-10)
17756 Prose Literature 2 (7-10)
17760 Prose Literature 3 (7-11)
17775 Poetry (7-10)
17789 Drama (7-11)

Science

17794 Physics 1 (7-12)
17807 Physics 2 (8-12)
17812 Chemistry (8-12)
17826 Earth Science 1 (6-10)
17831 Earth Science 2 (6-10)
17845 Biology 1 (7-10)
17850 Biology 2 (7-10)
17864 Biology 3 (7-10)
17879 Biology 4 (7-10)

Social Studies

17883 Geography (6-9)
17898 Economics 1 (7-11)
17900 Economics 2 (7-11)
17915 Behavioral Science 1 (7-11)
17929 Behavioral Science 2 (7-11)
17934 Political Science 1 (7-11)
17948 Political Science 2 (7-11)
17953 History 1 (6-11)
17967 History 2 (6-11)
17972 History 3 (6-11)

NEW

FROM microPal™

The Genealogy Workshop

• A FULL-FEATURED GENEALOGICAL RECORD-KEEPING SYSTEM
• ORGANIZE YOUR FAMILY DATA • CATALOG YOUR SOURCES

THE GENEALOGY WORKSHOP. Written by Les and Cindy Cattin, this program allows you to automate many aspects of keeping your genealogical records. This program is easy enough for a beginner, but will also prove useful to more experienced genealogists. "Family Data" function stores all of the vital information on each individual. Searches can be made to find common birth and death locations; you may also search for a name. "Overview" function stores the names and vital dates for each family, including up to 20 children; this provides a more distant, less detailed view of the family. "Sources" function stores the details of where specific data was obtained; source record numbers correspond to citations in Family Data. Program also prints sequentially numbered Cross Reference Forms, Family Group Sheets, and Source Sheets. All programs include revision capability and give you the option of hard copy or screen display. Requires 32K Memory Expansion, disk system, and eighty column printer system. Package includes handsome three ring binder with ample room for storing additional notes, data, etc.

20801 Disk **$49.95**

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HOME MANAGEMENT & PERSONAL FINANCE

LET'S DISCUSS... Home Finance Software

Monitor your expenses, analyze investments, compare loan terms—the TI computer brings you sophisticated but easy to use home management and personal finance tools previously unavailable to all but the wealthy. Whatever your specific needs might be, one of these useful TI or independent software packages should be just right. (Note: programs used for investment analysis and similar applications may be deductible from your personal income tax—consult your tax advisor.)

TI Command Modules

HOME FINANCIAL DECISIONS. A useful step-by-step guide to help answer your everyday financial questions. Helps you make informed decisions regarding general loans, home and car buying and personal savings. Also lets you compare differences between leasing versus buying and much more.
15939 Module ★**Only $14.95**

HOUSEHOLD BUDGET MANAGEMENT. Helps set budget guidelines, track income and expenses, spot problem areas and keep easily accessible records. Set up a budget system to coordinate your income and expenses for the coming year—month by month, category by category. Compare actual income and expenses to projected figures to help find problem areas. Also provides instant graphic analysis and tables. Requires cassette or disk system.
15943 Module ★ **Only $14.95**

SECURITIES ANALYSIS. Offers a variety of securities analysis techniques. Important financial tools such as stock analysis, call options, option spreads, bond analysis, calculations of compound interest, annuities and variable cash flow are included. Excellent package for brokers and serious investors.
15958 Module ★**Only $9.95**

PERSONAL RECORD KEEPING. Create, maintain and utilize a computer-based filling system that is useful and convenient for a variety of applications—including home inventory for insurance purposes, car maintenance records, medical and dental records, and a complete reference medium for birthdays, anniversaries and other important occasions. Cassette or disk system required.
15962 Module ★**Only $19.95**

TAX/INVESTMENT RECORD KEEPING. Provides an aid for organizing and recording your tax and investment data in a single, flexible filing system. Lets you keep track of assets, liabilities, income and expenses. An easy tool to use—one that will be especially appreciated around tax time. Record both your taxable and tax-exempt income, track expenses and keep track of what is tax-deductible. You can even determine your net worth. Disk system required.
15977 Module ★**Only $19.95**

PERSONAL REAL ESTATE. Many alternative personal real estate investments can be easily evaluated with this module. It can also be a valuable educational tool—closely follows techniques used by the Realtors National Marketing Institute. An excellent package for real estate agents and investors. Cassette or disk system recommended.
15981 Module ★**Only $9.95**

THE PERSONAL REPORT GENERATOR. Even without programming experience or special training, you can use the Personal Report Generator to create personalized form letters, address labels, tables of results, a personal calendar and a personal telephone directory. The Personal Report Generator makes it easy to design and test report formats, modify formats and even save them for use with other data files. Adding items, deleting items and combining two compatible files are also a snap with the Personal Report Generator. Requires Personal Record Keeping or Statistics Command Cartridge, and printer system. Cassette or disk data storage system recommended.
16006 Module ★**Only $9.95**

TI Cassette & Disk Software

MAILING LIST. Stores, alphabetizes, sorts, or searches for mailing list information. Handles names, addresses, telephone numbers and other related mailing information. Keep mailing list information for business associates, Christmas card recipients, or even your bowling team. Also provides quick and easy "look up" procedures. Disk system required. Sug. retail $69.95.
16030 Disk **Only $54.95**

PERSONAL FINANCIAL AIDS. A powerful computerized tool for dealing with many home financial problems—provides financial statement development; programs on loan amortization schedules; depreciation computations and mortgage analysis.
Sug. retail—$14.95 cassette, $19.95 diskette.
16186 Cassette **Only $12.95**
16044 Disk **Only $16.95**

AARDVARK TAX PLANNING. Designed by a group of experienced CPA's for the home user, this Pascal based program performs comprehensive, tedious tax planning calculations within seconds. The program allows you to input a variety of income and expense items and to isolate the tax effects of changes in one or more of these variables instantly. With Aardvark, you'll be able to define your tax liability for the current year (using appropriate tax tables or rate schedules, income averaging, maximum and tax on earned income), two-earner married couple deductions, capital gain deductions and much more. Requires Memory Expansion (32K RAM), Disk system, and the Pascal P-Code peripheral. Printer system recommended. Sug. retail $99.95.
16115 Disk **Only $79.95**

CHECKBOOK MANAGER. Maintain records of checks, deposits and running balances to reconcile with your bank statements. Add or change entries and your balance is automatically updated. Checks can also be entered by account to see how much is spent on specific bills or articles. A sort and a "sum-by-account" feature is also provided. Requires disk system.
Sug. retail $19.95.
16059 Disk **Only $16.95**

Independent Software

TRENDLINE. Designed by a stock market analyst and written by Dynamic Data, this program will store daily closing data and calculate slopes, mean, and standard deviation over any portion of the data. Will store up to 400 inputs, more than a year of daily activity data. Runs in Basic and Extended Basic.
11081 Cassette **$28.00**
11096 Disk **$28.00**

NAME & ADDRESS FILE. This program will store the name, address, birthday, telephone number and miscellaneous information for friends, relatives, business associates, etc. Useful features include displaying all names with their birthday in a specified month and easy editing with a from/to format. Handles up to 151 records. By J.H. Harvey. Requires disk system.
12561 Disk **$30.00**

APPOINTMENT CALENDAR/THINGS TO DO LIST. A useful tool for the busy person who has everything except time. Appointments are displayed on the monitor in date and time sequence. Commitments can be described using up to 110 characters. Handles up to 151 records. By J.H. Harvey. Requires disk system. If used with Extended Basic also requires 32K Memory Expansion.
12576 Disk **$30.00**

Useful Home Management Programs from Award-Winning FUTURA SOFTWARE

HOUSEHOLD INVENTORY. This was the winning program in Texas Instruments' author incentive contest! Keeps track of your home assets. Prints a periodic report, by room, of all your possessions, showing purchase and actual replacement value. An invaluable document to have should disaster strike. From Futura. Optional version requires Extended Basic.
12223 Disk **$34.95**
12238 Disk (requires Extended Basic) **$34.95**

ELECTRICITY MANAGER. Monitor and budget your energy consumption. A must for frugal households. Tracks consumption of electricity and makes projections over time. From Futura. Requires Extended Basic and 32K Memory Expansion.
12219 Disk **$34.95**

MED ALERT! An accident prevention/first aid tutorial series. Maintains and retrieves emergency phone numbers; deals with accidental poisonings, drug overdoses, serious first-aid emergencies; helps you poison-proof your home; learn to distinguish dangerous plants; learn how to avoid poisonous substances; teach your children about Mr. Yuck! From Futura. Requires Extended Basic.
12242 Disk **$34.95**

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Over $100.00—Deduct 20%

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★ NEW LOW PRICE

BUSINESS

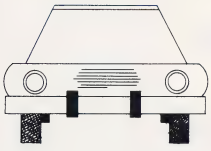
LET'S DISCUSS... Business

Although not initially designed to be a business computer, the greatly expanded availability of both software and optional hardware, including letter quality printers, makes the TI computer a cost effective alternative to more expensive systems. For home-operated businesses, the TI 99/4A gives the additional advantage of serving the family's entertainment and educational needs. Here are the programs you need to turn your home computer into a powerful business tool!

NAME IT.

Extended software has created a versatile data management system for mailing lists, catalogs, files, labels, and many other useful applications. Name-it works with any printer, or will display data on the screen only. Complete editing under cursor control is allowed; an entire record is displayed on the screen at one time. Form letter program (included) will coordinate data stored by Name-It with a form letter in Extended's Typewriter program (sold separately). Name-It data can also be easily converted for use with TI Writer form letters. Will search by and record item. 20 page instruction booklet, 2 sample record files, and one sample form letter are included. Disk version stores 250 records of up to nine 28-character items per record. Disk version sorts 100 records in 30 seconds, 250 records in 100 seconds. Cassette version allows input of up to 2500 characters in nine 28-character record items; cassette output is condensed for minimum access time. Requires Extended BASIC.

11978 Cassette **$32.00**
11982 Disk **$35.00**



Auto Maintenance

This program keeps a maintenance record on every car you own. That's just the beginning. There are over 20 preset maintenance categories that you can change, or add to, for a total of 50 maintenance categories available. You personalize a separate disk for each auto by setting up maintenance categories including each autos own maintenance frequency schedule in miles and months. Once your set up is complete you simply input the current mileage and the date, and the computer will tell you which maintenance items are "overdue", "due shortly", or "o.k.". Cost information is also available in several forms from the maintenance record to help your planning. This program is invaluable as a management tool for your auto investment. Requires Memory Expansion, Disk system, and Extended BASIC. From American Software.

11274 Disk **$19.95**

Home Inventory

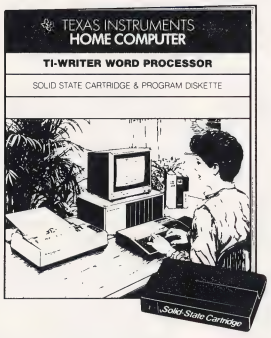
This program is designed to keep track of your valuables. Each item can be assigned a name, code, room or category, date purchased, original cost and estimated life. You can add and delete items as well as edit existing information. The computer will calculate the depreciated value of your items. Each inventory file can contain as many as 600 items. This program can be a valuable asset. From American Software. Requires Disk system and Extended BASIC.

11344 Disk **$16.95**

TI Command Modules

TI-WRITER. Powerful word processing package from TI. Includes many features of word processors on larger and more expensive computers, including word-wrap, search and replace, OOPS key, and many more. TI-Writer expands the display to 40 columns and scrolls horizontally to allow full 80 character lines. Requires Memory Expansion, Disk System, and Printer System. Sug. retail $99.95.

16011 Module **$79.95**



MICROSOFT MULTIPLAN. A TI implementation of one of the most powerful and best known spreadsheet packages! An extremely versatile tool for planning, budgeting, financial modeling, record keeping—any application where data can be conveniently expressed in rows and columns. Great for answering "what if" questions. A big timesaver when you make a change in data or assumptions—the computer, instead of you, does all the work recalculating the rest of the spreadsheet!

Sug. retail $99.95.

16025 Module **$79.95**

TI Cassette & Disk Software

BUSINESS AIDS LIBRARY—FINANCIAL MANAGEMENT. Helps project how much money is needed to sustain a business and how much capital costs will be. Also contains some other common business calculations—depreciation, amortization, variable and grouped cash flows and annuities. Requires Extended BASIC and Disk system. Sug. retail $39.95.

16063 Disk **Only $32.95**

BUSINESS AIDS LIBRARY—INVENTORY MANAGEMENT. Allows for inventory update and movement tracking. Can perform stock evaluations by cost, profit margin, or price. Personal Record Keeping and Statistics Solid State Software Command Modules add sorting and statistical evaluation capabilities. One of these two Command Modules and a printer system are required. Sug. retail $69.95.

16078 Disk **Only $56.95**

BUSINESS AIDS LIBRARY—INVOICE MANAGEMENT. Keep current and accurate customer information all in one easy-to-use system. Items such as customer's address, discounts applicable, taxes and a variety of other invoice information are all easy to monitor and/or control. Package includes seven programs to help you maintain your invoice records. Requires printer, disk system and either Personal Record Keeping or Statistics module. Sug. retail $69.95.

16082 Disk **Only $56.95**

BUSINESS AIDS LIBRARY—CASH MANAGEMENT. Provides a method of forecasting the amount of cash available to your company. By estimating your cash flow, you can make more knowledgeable managerial decisions. Up to six forecasts with up to twelve periods per forecast can be projected at any one time. Beginning and ending balances are maintained in each period for cash, receivables, investments, payables, and inventory. Twenty categories of data are available in each forecast—eighteen categories for expenses and income, one category for sales unit, and an automatically calculated gross margin category. If a printer is attached, you may print any portion of a forecast. Requires Extended BASIC and disk system.

Sug. retail $39.95.

16097 Disk **Only $32.95**

BUSINESS AIDS LIBRARY—LEASE/PURCHASE DECISIONS. With the Capital Investment Analysis model you can determine whether an investment in any capital project will be economically beneficial to the company. Prospective investments can be ranked according to their financial desirability so you may choose the one producing the greatest bottom line profit. The Lease Evaluation model provides lessors with a profitable bidding strategy. Lessors, third party lenders and lessees can quickly ascertain the financial implications to the lessor of any lease agreement. The Lease or Buy Decision model compares alternate methods of financing a capital expenditure. These programs were developed in a combined effort of Texas Instruments and Ronald Zussman. Printer system required.

Sug. retail $69.95.

16100 Disk **Only $56.95**
16191 Cassette **Only $49.95**

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RUN YOUR BUSINESS

WITH

FUTURA SOFTWARE

Business Applications

FUTURA Business Software is a system of interacting modules comparable in power to the software one may expect to find in much larger computers. The FUTURA System will provide the small businessman a total accounting package.

Each module requires a TI99/4A computer with two (2) Disk Memory Drives, a printer equipped with compressed printing (16.5 cpi), and the Extended Basic Command Module. The 32K Memory Expansion Unit is required by all the modules, with the exception of General Ledger, which runs in the standard 16K memory.

FUTURA Business Software is designed to operate with most RS232 interfaced printers equipped with expanded and compressed printing, a 66-line form length, and software-activated top-of-form.

WRITE FOR FREE BROCHURE!

Accounts Payable. A comprehensive system that retrieves vendor accounts from files by vendor name and/or vendor number, at the operator's option. The system selects open invoices for payment on the due date, indicates cash requirements by pay period, incorporates a dual check-writing system whereby some or all checks may be manually written or printed by the system. Invoices are scheduled for payment during data entry and may be rescheduled at all times prior to payment.

The system provides ten valuable reports, plus a check-writing program. All reports, including checks, are printed in alphabetic sequence by vendor name to minimize manual search time of historical data. This system, when so established, will automatically interface with the FUTURA General Ledger, transferring to that system all the entries for expense distribution and disbursements.

12420 Disk **$149.95**

Accounts Receivable. Permits optional retrieval of customer accounts either by the customer's name or account number. Maintains an aged record of all unpaid items and prints two trial balance reports: A condensed report, one line for each account that shows the account balances by age group; and the second report which is a detailed list of all open items, aged by account. The Accounts Receivable System produces invoice registers, journals, open items list, cash receipts, aged trial balance and customer statements.

12435 Disk **$149.95**

Billing. Customer accounts may be retrieved by account number or name for multi-copy invoices and (optionally) a packing list. FUTURA Billing System may also be used for point-of-sale invoicing. A complete audit trial is available with daily invoice registers and sales journals. Optional interface with FUTURA Inventory Management affords automatic adjustment of inventory quantities. In addition, the Billing System may be interfaced with the FUTURA Accounts Receivable and/or General Ledger System for a fully integrated accounting function.

12449 Disk **$149.95**

General Ledger. Includes data entry and maintenance of the Chart of Accounts/Balances and General Journal entries. Accounts are accessed at random by account number during all phases of the operation. The integrity of data input is assured through complete edit and validation—will not permit posting to non-existent accounts; the account description is displayed each time an entry is made, for visual verification. This module provides five reports: (1) The General Journal; (2) Trial Balance; (3) Balance Sheet; and (4) Income Statement for permanent record keeping; plus a "proof list" of the General Journal entries. The three major financial reports may be printed as often as desired.

12454 Disk **$149.95**

Inventory Management. Provides for the maintenance of a Product/Inventory/Price file of 1300+ items, with a part number of up to ten characters and a description of up to 24 characters. Other features include warehouse location, taxable status, unit cost and two selling prices. In addition to printing purchase orders, the system will also provide a stock status report by product within a category, a below minimum/out-of-stock report, sales and receipts logging, price lists, and other. Full integration with the FUTURA Billing and Accounts Receivable are included options.

12468 Disk **$149.95**

Mailing List. Provides for maintenance, selective retrieval and printing of labels, either singly or side-by-side (up to 4) for a file with up to 500 names. Labels may be printed in different sequences (i.e., Zip code, name) optionally selecting and printing only those which meet the selection criteria. Up to sixteen group fields may be established and coded for selection; in addition, almost any data field may be included in the selection scheme. This System integrates with the FUTURA Word Processing System to provide personalized mass mailings.

12473 Disk **$99.95**

Payroll. Processes personnel and payroll information for up to 150 active employees. Stores same historical data for 150 inactive employees. Prints earning reports, personnel data sheets and (optionally) payroll checks. Withholds proper taxes and provides necessary information to prepare quarterly and annual government reports. Compatible with General Ledger.

12487 Disk **$149.95**

Word Processor. Allows you to create, maintain, and print any number of text files. Several separate files may be combined to produce a single document. You select line spacing and character types, as well as customized insertions. You set the margins, left/right justification, headings, indentions, etc. Upper and lower print is used. Many fine editing functions allow you great flexibility while creating your letter, manuscript, or document. You may enter the edit mode by issuing a command code at any time. Such operations as: delete, insert, move and replace words or lines, are available. The editor will hold up to four 8.5" x 11" pages of text at one time, and keeps a running tally of memory available. Automatically interfaces with the FUTURA Mailing List to provide mass mailings.

12204 Disk **$149.95**

Economical, Powerful Word Processing from Dynamic Data & Devices

DIRECT WRITER II. Word Processing Package from Dynamic Data. Great features at an economical price! Advanced capabilities include:

- —Edit over text—retype only the characters you need, not the whole line.
- —High speed cursor
- —True upper and lower case
- —Line length from 32 to 132 characters
- —Color coded tabs—up to 17 of them
- —Automatic centering
- —Insert, delete, & move lines as needed
- —Intelligent right justification avoids big gaps
- —Two display modes—scrolled and "moving window"
- —String search/replace for easy changes
- —Program "looks ahead" for adequate storage space
- —Automatic page numbering
- —Form feed options
- —Underlining
- —Small, normal & large text
- —Much, much more

Requires Extended BASIC, Memory Expansion and Disk System; Usually used with Thermal or RS-232 printer, but can output to a cassette if desired.

11062 Disk **Only $66.00**

Word Processing Without Memory Expansion!

TYPWRITER from Extended Software runs in Extended BASIC and does not require the 32K memory expansion. While this limits a few of the features, you'll be surprised at the versatility and power of this economical word processing package. Use any devices for Input/Output text storage: disk, cassette, or combination. Features complete text editing by cursor control—insert/delete lines, partial print, page forward or backward, and more. Software controls the printer; depending on its capabilities, one can enhance print, underline, format, use 28 to 254 characters per print line, etc. 20 page instruction booklet included. Requires Extended BASIC, cassette or diskette storage, and printer system.

11752 Cassette **$32.00**
11766 Disk **$35.00**

BAR GRAPH. This program from Hall Software produces vertical bar graphs in up to 13 categories. The percentage that each category is to the total of all categories is displayed in bar graph form on your screen. The vertical axis is self scaling to allow the best possible view of the relationship of all parameters.

21148 Cassette, BASIC **$11.95**
21153 Cassette, Extended Basic **$11.95**

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PROFESSIONAL BILLING/RECEIVABLES. This package is ideal for professionals: physicians, dentists, engineers, or anyone providing a professional service. It allows you to maintain receivable records for any number of patients or clients for a whole year. You can enter data at any time; the computer will calculate and age your receivables (30, 60, 90, days). You may generate billing for up to 25 specific services and charges on your own letterhead. Any data displayed may be printed. Easy to use with screen prompting and verification. By Professional Microware. Requires Disk System; Printer System recommended.
15076 Disk **$69.95**

LEDGER PACKAGE. Use this package to maintain up to date records of your income and expenditures. Make up to 600 entries per year in 63 accounts. Enter and edit data at any time; this program will store the data, update year to date totals, and calculate subtotals by account (e.g., rent) and category (e.g., office expense). Display and print by month, by account or by category. Given the base wage, the computer will also calculate the monthly or semi-monthly payroll, including state & federal taxes. Another convenient and reliable package from Professional Microware that features Screen prompting and verification. Requires Disk System; Printer system recommended.
15080 Disk **$49.95**

ELECTRONIC FILING. This is a flexible system from Professional Microware, useful for office and home. You custom design your format to keep track of people, companies, places, etc. Handles up to 16 headings per page. You can find, screen/print, or delete a whole file or page. Alphabetic and numeric sorting functions. Requires Disk System; Printer System optional.
15095 Disk **$29.95**

SPECIAL PROFESSIONAL PACKAGE. Get all three Professional Microware programs—Professional Billing/Receivables, Ledger Package, and Electronic Filing for one low price. All are convenient, reliable, and easy to use. If purchased separately, would cost $149.85.
15108 Disks (3) **$129.95**

UTILITY SOFTWARE

TI Command Modules

SPEECH EDITOR. Discover the excitement of the computer-generated voice capabilities of the TI-99/4 Home Computer. You can immediately listen to and experiment with words by typing words, phrases and sentences selected from the Solid State Speech™ Synthesizer's resident vocabulary.
18640 Module **Only $19.95★**

EDITOR/ASSEMBLER. Lets you program in TMS 9900 Assembly Language. Enables direct access to all system features, including sound, speech, graphics, and I/O, as well as providing the fastest speed possible from the computer's 16-bit microprocessor. Assembly language routines may be run either as stand-alone programs or linked to TI BASIC or Extended BASIC programs through a subroutine call. The Editor/Assembler package includes two disks, the Editor/Assembler manual (which provides extensive documentation of the software's architecture), and the Editor/Assembler command module. Also included is the source and object code for both an Assembly language debugger and for the game "Tombstone City." Requires 32K memory expansion and disk system. Sug. retail 39.95.
18669 Module **Only $32.95**

EXTENDED BASIC. Programming language compatible with TI-99/4 BASIC with the following feature enhancements; multi-statement lines, IF-THEN-ELSE statements, direct screen accessing, output formatting with "using" clause, BASIC sub-programs with arguments and local variables, auto booting of disk programs, easy control of up to 28 sprites from BASIC, program chaining, merging of code, protected programs, "ON ERROR" statements and BOOLEAN functions (AND, OR, NOT, etc.) Sug. retail $99.95.
18655 Module **Only $79.95**

MINI MEMORY. Now you can increase the versatility of your Home Computer with the Mini Memory Command Cartridge. The cartridge provides additional memory for your system as well as important tools for program development. The cartridge contains a built-in battery so you can store data or programs you have written in TI BASIC or Assembly Language in the cartridge's Random Access Memory (RAM). This information is retained even when the computer console is turned off, or when the cartridge is removed.

The Mini Memory module contains a total of 14K bytes of memory. This memory consists of 6K bytes of Graphics Read Only Memory (GROM), 4K bytes of Read Only Memory (ROM), and the 4K bytes of RAM. Sug. retail $99.95.
18674 Module **Only $75.95**

TERMINAL EMULATOR II. Links your home computer to the telecommunications world—accessing subscription data services and time-shared computer systems. File transfers with error definition, improved keyboard interface; ability to handle color, speech, sound and graphics; access of text-to-speech from user-written programs are just some of the features included.
15996 Module **Only $19.95★**

TI Cassette & Disk Software

PROGRAMMING AIDS I. Provides knowledgeable programmers with more powerful tools for enhancing TI-BASIC. Includes the following capabilities: cataloging disks, "DISPLAY AT," "ACCEPT AT," screen print, lower case letters, second ASCII set subroutines and user-defined characters.
Sug. retail—Cassette $9.95, Disk $14.95.
18814 Cassette **Only $8.95**
18705 Disk **Only $12.95**

PROGRAMMING AIDS II. Provides the experienced user with the ability to sort information into alphabetic or numeric order for reporting or processing purposes. Includes disk sort, ram sort, file dump and a merge program which makes this package an essential programming tool. Sug. retail $24.95.
18710 Disk **Only $20.95**

PROGRAMMING AIDS III. Provides a useful tool for experienced programmers who want to cross reference a list of all variables, arrays, keywords, functions and line number references. The user can then find where certain variables are used, where subroutines are called, or even which lines need changing to make programs in other BASICs compatible with TI-BASIC. Resequencing, deletion of program parts and the merge of a sequence of code are also made possible. Extended BASIC required. Sug. retail $19.95.
18724 Disk **Only $16.95**

TEXT TO SPEECH—ENGLISH. Requires Speech Synthesizer, 32K Memory Expansion, and Extended Basic. Sug. retail $29.95.
18781 Disk **Only $23.95**

TI PILOT. TI PILOT is an easy to use language for developing and using Computer Assisted Instruction (CAI) lessons. For use by educators, TI PILOT is ideal for developing quizzes and other course exercises in a wide variety of subject areas. Designed by CAI specialists specifically for use with the TI Home Computer, TI PILOT enables the programmer to have access to the Homer Computer's unique instructional aids such as sprites, sound effects, and color graphics. TI PILOT requires 32K Memory Expansion, P-Code card, and disk system. Sug. retail $79.95.
18762 Disk **Only $59.95**

Independent Software

DISPLAY ENHANCEMENT PACKAGE. At last! Display up to 40 characters per line instead of 28! Scroll backward & forward for up to 96 lines—even fix part of the screen while scrolling the other part. Use functions like DISPLAY AT, ACCEPT AT, PRINT, COLOR, VCHAR, HCHAR, CLEAR, GCHAR—all on a 40x24 screen format. (Note: use of the display in a 40 character width mode precludes use of sprites and other standard display functions. Also, display is limited to one background and one foreground color.) From Oak Tree Systems. Requires Memory Expansion Unit, Disk System, and **either** Extended Basic **or** Editor/Assembly Module.
15038 Disk **$29.95**

SMASH. Conserve memory space in your Extended Basic programs with this programming aid from Oak Tree Systems! This program will shorten variable names to 1 letter (or 2 if more than 26), combine lines, eliminate REM's and tail remarks. Will merge several subprograms; also, will convert TI Basic Programs to condensed Extended Basic programs. Depending on program style, save 20% or more of your memory and disk space—also watch for a small improvement in execution time. Requires Extended Basic and disk system.
15042 Disk **$24.95**

GRAPHICS PACKAGE from Norton. Now you can easily create high resolution graphics in intricate detail in minutes. Three levels of detail available: from 768 to 49152 accessible points. Draw anything, any size, anywhere on the screen. The package will also draw straight lines between two points, circles, parabolas, ellipses, and more. Allows you to save the information that makes up the display on cassette or disk to be incorporated into your own program. Pays for itself in time saved! Requires Extended Basic.
10918 Cassette **$19.95**
10922 Diskette (Req. Mem. Exp.) **$22.95**

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EASYSCREEN. Makes graphics generation easy! Work right on your screen to define characters, colors, and display patterns. No more need to convert bit strings into hexadecimal or to look up color codes. Save screens on a file, and read them in later. Print command shows you all the info you need to code the screen into your Basic program—output goes to your screen or printer. From Easyware.
11471 Cassette **$14.95**

UTILITIES I. From Republic Software. Four useful utility programs in one! The first three can be operated in BASIC, Extended BASIC, or Assembly Language; they are a disassembler, a group of screen dump routines, and point plotting routines for high resolution plots. The fourth is a unique speech utility that will allow the Speech Synthesizer to speak **any** word in an Extended BASIC program without TI's Terminal Emulator II or Text-to-Speech programs. Speech utility requires Extended Basic and Speech Synthesizer.

10867 Cassette **$19.95**
10872 Diskette **$19.95**

J.H. HARVEY

HOW TO CREATE AND MAINTAIN RELATIVE FILES. By J. H. Harvey, this 45 page text covers some important "tricks of the trade" for serious BASIC programmers. Some of the functions include:
- —How to create relative files using the FOR/NEXT logic.
- —How to get around the 255 character record length limitation.
- —How to process relative files sequentially for reporting and accumulating totals.
- —How to create and use multiple disk files.
- —Much more!

The optional disk includes example programs listed in the text, a short version of a name and address file, and a utility program for sorting relative files.
12542 Text and Disk
(Requires Disk System) **$50.00**
12557 Text Only (45 pages) **$30.00**

DELETING FILES AND DISPLAYING FILE INDEX. By J. H. Harvey, this is a printed listing, with comments and instructions, of a short 115 line program which deletes any type file from your disk index (effectively deleting the file from the disk), and also displays the disk index on the monitor.
12580 Text only (4 pages) **$5.00**

GUIDE TO FILE PROCESSING ON A TI-99/4A CASSETTE SYSTEM. Actually a manual that includes numerous program examples, this latest "How to" guide from J. H. Harvey will show you how to get the most out of cassette storage. Covers both array processing and sequential file processing. Especially useful for programmers doing serious work in cassette format. 48 pages.
22469 Text Only **$25.00**

DOW EDITOR-ASSEMBLER. Unique programming aid from John Dow makes assembly language programming using the Mini-Memory much easier. Both the editor-assembler and the assembly language program you are writing are stored in the computer's RAM, leaving all 4K of the Mini-Memory's RAM available for the assembled program. Features include ability to save and restore programs using cassette storage, ability to list or display programs, ability to insert, change, and delete statements, and ability to use statement labels of one to three characters. Requires Mini-Memory; Editor/Assembler Manual recommended.
21453 Cassette **$24.95**

COMPACTOR PLUS. Compact and/or analyze your BASIC and Extended BASIC programs with this new utility program from Dynamic Data. Many compactor functions are user selectable, and include remark deletion; variable, array, and subroutine renaming (optional cross-reference listing provided); line number correction after deletion, and more. Analyze for Basic Keywords and Basic Functions in any size program. Delete Lines and Resequence Lines functions also included. Requires Extended BASIC and disk system. Printer recommended for Compact function and required for Analyze function. Complete instructions included.
21472 Disk **$29.95**

DRAW-A-BIT. The ultimate graphic tool for the TI-99/4A, this program is a full function bit map drawing program written in assembly language. The over 80 drawing functions include foreground stroke, background stroke, draw arc and circle, draw horizontal or vertical line, store stroke, repeat stroke, and many more. Also includes unique connect-the-dots function and can paint the interior of any shape a selected color! Stores and recreates your pictures. Package includes sample files, a demo of animated drawing techniques, and a 20 page, 8 lesson manual. From Data Force. Requires Extended Basic, 32K Memory Expansion, and disk system.
21486 Disk **$59.95**

SUPER CATALOGER. Never lose track of your programs and data files again! This multidisk cataloging program from JK&H Software accepts up to 500 filenames from as many as 63 disks and produces a sorted catalog on any printer. Assembly language subroutine included for rapid sorting. Requires Extended BASIC, 32K Memory Expansion, and disk system.
21503 Disk **$29.95**

SPRITE EDITOR. This program from Navarone will generate 8x8 and 16x16 character definitions for use with BASIC, Extended BASIC, or the Editor/Assembler. Data can be saved on disk for future editing. Special functions allow character patterns to be copied and reversed. Requires Extended Basic, 32K Memory Expansion and disk system.
21560 Disk **$29.95**

DISK FIXER. A powerful Assembly language program from Navarone that allows access to floppy disks by sector instead of file name. You can display or print the actual contents of any sector of a floppy disk. Other features allow you to change any byte on any sector or move data from one sector to another. This tool is ideal for fixing blown directories, improperly closed files, and recovering data from otherwise inaccessible diskettes. Requires Editor/Assembler, 32K Memory Expansion, and disk system.
21575 Disk **$39.95**

WYCOVE FORTH. Wycove Systems has brought the power and versatility of the Forth language to the TI-99/4A! Forth is a powerful, flexible programming language—some of the features include:
- —high speed graphics execution
- —easier to learn than assembly language
- —user may define changes to the language and special commands allowing incredible versatility

85 page manual (included) fully documents TI implementation of Wycove Forth, but presumes familiarity with Forth language. Beginning users should consider an introductory text to supplement the manual such as "Starting Forth" by Lee Brodie. Each package includes both cassette and disk, and programs that will run using any of the following: Editor/Assembler (requires the 32K Memory Expansion), Extended BASIC, or Mini Memory.
21607 Disk & Cassette **$99.00**

NEW

Disk Cataloging Without Memory Expansion!

MASTER DISK FILE. Catalog up to 1100 programs or files from up to 120 disks with this new utility from Extended Software. Functions allow you to list files on screen or printer alphabetically by disk name or program name; search for disks or programs by name; update disks that have been changed—automatically replaces and up-dates old information; display or print total disks, total programs, individual & total sectors used and available, plus data for each diskette and each file. Supports single and double sided disks, single and multiple disk drives, and all serial and parallel printers. Requires disk system; printer optional.
20642 Disk **$15.00**

ENGINEERING, SCIENCE & MATHEMATICS

TEXAS INSTRUMENTS

TI Command Modules

STATISTICS. Performs a variety of statistical calculations for you with computer speed and accuracy. Leaves you more time to analyze the results and apply them to your particular situation. Can also be used to analyze data from Personal Record Keeping module. Includes descriptive statistics, correlation, linear regression analysis and other inferential statistical evaluations. Data storage system recommended. Sug. retail $39.95.
18852 Module **Only $32.95**

TI Cassette & Disk Software

GRAPHING PACKAGE. Plotting techniques such as Cartesian and polar plots, scatter plot (with curve fitting) and XYZ plot are all included. Easy to use in a number of graphing applications.
Sug. retail—cassette $9.95, disk $19.95.
18969 Cassette **Only $8.95**
18902 Disk **Only $16.95**

MATH ROUTINE LIBRARY. Provides users with Fourier series calculations, function analysis, ordinary differential equations, base conversions, prime factorization, hyperbolic functions, and simultaneous equation calculation. Sug. retail—cassette $9.95, disk $29.95.
18940 Cassette **Only $8.95**
18885 Disk **Only $23.95**

ELECTRICAL ENGINEERING LIBRARY. A library of useful tools commonly used by electrical engineers including filter design, root locus, Smith chart, phase-locked loop and a variety of other tools.
Sug. retail—cassette $9.95, disk $29.95.
18955 Cassette **Only $8.95**
18890 Disk **Only $23.95**

STRUCTURAL ENGINEERING LIBRARY. This useful package provides Structural Engineers an easy-to-use computer program that helps them make complex calculations and evaluations. (Specifics not available at this time.) Sug. retail—cassette $9.95, disk $29.95.
18974 Cassette **Only $8.95**
18917 Disk **Only $23.95**

AC CIRCUIT ANALYSIS LIBRARY. This package contains two programs which can assist you in determining the performance of circuits as they would handle alternating current. The first provides the analysis and the second provides the plot. Handles up to 11 nodes and 31 components. Allowable components are resistors, capacitors, inductors, and voltage controlled current sources. Analysis can be either a logarithmic or linear frequency sweep. Magnitude or phase plot can be directed to screen or optional printer system.
Sug. retail: Cassette—$9.95, Disk—$29.95.
18988 Cassette **Only $8.95**
18921 Disk **Only $23.95**

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Independent Software

ENERGY CONSERVATION—RESIDENTIAL HEATING. A new tool from Dynamic Data that will help you pinpoint the most cost-effective ways to conserve energy in your home. Includes functions to analyze ceilng insulation, storm windows, storm doors, weather stripping, and lowering thermostat. Compares costs of alternative fuels and provides energy saving tips. Instruction manual with geographical design temperature and degree-day data included.
11611 Cassette **$28.00**
11625 Disk **$28.00**

SOUND DIGITIZER EXPERIMENT I. A unique assembly language program from Data Force that digitally records in memory sounds "listened to" through your cassette recorder, and will reproduce them on command. Program waits until first sound is heard and "records" until a pause of about 1/2 second occurs. Will record up to 6 words (average) in Mini Memory; optional 32K memory expansion permits more recording times. Uses same basic idea as the new digital hi-fi equipment, but with a reduced sampling rate to conserve memory. Requires Mini Memory and cassette recorder.
21491 Cassette **$19.95**

Sophisticated Aids from Letcher Offshore Design

DRAW/99. Architects, engineers, and artists can create true perspective or axonometric line drawings of any object by entering coordinates. Store coordinate file on disk for plotting different views. Compatible plotter system required to create hardcopy plots.
12792 Disk **$199.00**

FL/1A. Interactive hull design program for naval architects based on FAIRLINE/1. Includes entry, editing and disk or cassette storage of representation array; design of sections by B-spline curves; tabulation of offsets on stations or longitudinal sections. Printer output optional.
12805 Disk **$150.00**

OFE/2. Offset File Editor for entering, editing, and disk or cassette storage of an offset table in format needed for input to hydrostatic, hydrodynamic, and plotting programs, including HYDRO/1. Printer output optional.
12810 Disk **$100.00**

HYDRO/1. Hydrostatics and Intact Stability program. Calculates equilibrium flotation planes and righting moments for any bilaterally symmetric floating object (described by an offset file) at arbitrary loadings and heel angles. Printer output optional.
12824 Disk **$500.00**

WSE/1. Weight Schedule Editor. Monitors weight and center of gravity position of any bilaterally symmetric vehicle during design, construction, and/or operation. Create, modify and update cassette or disk file of weight components and their positions; program updates weight and center of gravity as components are changed or relocated. Printer output optional.
12839 Disk **$150.00**

NOTE: Space limitations prevent us from fully describing these programs. If you feel you might be able to apply one of them, please write or call and we'll send you a one page brochure on it. Also, you may purchase the User's Manual for any program at 10% of the price of the program; if you decide to purchase the program, this amount will be credited to its price.

AVAILABLE FOR OTHER COMPUTERS. The Letcher Offshore Design programs described above are available for the following systems:
TRS-80 Models I and II
Apple II
HP-85
IBM PC-1
CPM (Basic 80)
The prices are the same as listed above. Please specify the system on your order.

music

TI Command Modules

MUSIC MAKER. A music composition package that lets even a novice composer create computer music by simply arranging notes on an electrical musical staff. A terrific home music introduction tool for children and adults. Create your own musical compositions with this easy-to-use package. Data storage system recommended. Sug. retail $39.95.
16260 Module **Only $31.95**

Independent Software

HIGHER, SAME, LOWER. A good choice for a simple first introduction to music, this program from Micro-Ed plays two notes randomly selected from a bank of 67 pairs. The learner determines if the second note is higher, the same, or lower than the first. Summarizes performance at completion.
14266 Cassette **$9.95**
14271 Disk **$9.95**

EASYSONG. Turn your keyboard into a 4 octave piano keyboard. This program from Easyware also features a full screen editor to make songwriting simple. Up to 1000 notes in a song; save songs on a file for later recall. Print command shows you the info you need to code your songs into your own basic program; outputs to screen on printer.
11485 Cassette **$14.95**

HARVEY'S MUSICAL KEYBOARD. Turn your keyboard into a musical instrument with this J. H. Harvey program. A response time of up to 5 notes a second allows playing along with the stereo or other musicians. The number of music keys and octave range depend on the version.
12504 Cassette for TI 99/4. Eight music keys, 5 octave range in all but the last, which has a 3 octave range. **$30.00**
12519 Cassette for TI 99/4A. Seven music keys, each with a 5-1/2 octave range. **$30.00**
12523 Disk for TI 99/4A. A 5-1/2 octave range for all music keys. **$40.00**

HARVEY'S COMPUTER MUSIC SYSTEM. A unique music entry system through the computer keyboard. Enter complete songs in a few minutes. Music entered is saved in memory and may be played back with the harmony generated by the computer. Songs entered may be saved on disk. This is a sophisticated music package comprised of four separate packages contained on five disks. Five initialized song disks are also included. TI 99/4A version only. Requires Extended Basic, Disk System, and 32K Memory Expansion.
12538 Total package (10 disks and documentation) **$200.00**

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Over $100.00—Deduct 20%

TI Cassette & Disk Software

MUSIC SKILLS TRAINER. A package of four musical drills that test musical ability and improve musical skills. Drills include pitch guess, interval recognition, chord recognition and phrase recall. For beginning musicians 10 and up. Sug. retail—cassette $9.95, disk $29.95.
17986 Cassette **Only $8.95**
16698 Disk **Only $23.95**

COMPUTER MUSIC BOX. Music composition system which allows three-part music to be entered, played, edited and saved for later reloading. It has an automatic chord creation feature to help you compose computer-generated tunes. For ages 10 and up. Sug. retail $9.95.
17991 Cassette **Only $8.95**

MUSIC SYNTHESIZER. Develop music even if you don't have a musical background! With a few commands, you duplicate the sheet music right onto the screen. The computer will then play it for you. Store it for use in your own programs. Runs in Basic or Extended Basic. From Norton.
10956 Cassette **$19.95**
14960 Disk (Req. Mem. Exp.) **$22.95**

Educators! * Music Instructors!

NOTE WHIZ. Teaches note recognition and sight reading skills using the color, music, graphics, and sound capabilities of the TI 99/4A. Suitable for children through adult. Options include clefs, skill levels, review aids. From MECA. Requires Extended Basic.
12932 Cassette **$39.95**
12946 Disk **$39.95**

PITCH MASTER. Designed to improve note recognition and tonal memory skills. Over 100 skill levels. Player chooses the key, the range of notes, and the number of notes. The computer keeps score. Tempo and level of skill can automatically be increased. From MECA. Requires Extended Basic.
12951 Cassette **$39.95**
12965 Disk **$39.95**

MUSIC EDITOR. Enter notes on a large "music sheet" on the screen—this program will generate the data statements required to reproduce the sounds in either Basic or Assembler format. Data may be saved on disk for future editing. From Navarone. Requires Extended Basic, 32K Memory Expansion, and disk system.
21589 Disk **$29.95**

THE MUSICIAN AND PLAYER. THE MUSICIAN enables you to enter three part music using simple notation. Songs can be played, saved, and recalled from either disk or cassette. This program allows you to design your own music or use your old favorites. The computer played music is great fun. A separate program, THE PLAYER can be used to play music that has been previously saved. Ages 12 to Adult. From American Software.
11325 Cassette **$19.95**
11330 Disk **$21.95**

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SPECIAL INTEREST, HOBBIES, AND MISCELLANEOUS

TI Command Modules

PHYSICAL FITNESS. Helps you in planning (and staying with) an exercise program designed especially for you. Based on guidelines from the President's Council on Physical Fitness. Recommended ages: 13 and up.

16256 Module ★ **Only $14.95**

WEIGHT CONTROL AND NUTRITION. Assists homemakers in planning balanced meals to help improve fitness through nutrition and weight tracking. Personal information determines recommended weight range and daily caloric requirement. Also creates weekly menus according to food preferences and target weight. (These menus meet U.S. Recommended Daily Allowances—RDA—for adults.) Cassette or disk data storage system recommended. Sug. retail $39.95.
16275 Module **Only $32.95**

TI Cassette & Disk Software

BRIDGE BIDDING I. Teaches the art of expert bidding to the bridge player. As "south" you select the bid with your cards and the computer provides your partner's and opponents' bids. If after 3 chances you do not give the best or recommended bid, the computer will give you the answer along with an explanation. Excellent bridge bidding tutor. Aimed at intermediate and advanced players.
Sug. retail—cassette $14.95, disk $29.95.
18016 Cassette ★ **Only $12.95**
16729 Disk **Only $24.95**

BRIDGE BIDDING II. Developed for Texas Instruments by Robert Hammon and Robert Wolff of the Dallas "Aces," this second-in-a-series package lets you practice slam bidding. In addition, the program explains some of the bridge bidding conventions which can help you determine whether you should bid a grand slam, a small slam, or no slam. With this second program on their bidding series, Hammon and Wolff continue to give you the benefit of their experience and to share some of their secrets for bidding. You will learn the art of ace asking, the sources of tricks, what is an adequate trump suit, cue bidding, asking bids, Blackwood Gerber and Grand Slam force convention.
Sug. retail—cassette $14.95, disk $29.95.
18035 Cassette ★ **Only $12.95**
16753 Disk **Only $24.95**

BRIDGE BIDDING III. Third in the series of Bridge Bidding packages, this set of programs cover competitive bidding. Tips are given on bridge discipline, partnership trust, preemptive bids, take out bids, high level judgment, Michael's unusual no trump and Landy conventions. Sug. retail—cassette $14.95, disk $29.95.
18049 Cassette ★ **Only $12.95**
16767 Disk **Only $24.95**

BASKETBALL STATISTICIAN. This package helps the basketball coach or statistician keep statistics on individual players on a team. Shots taken, shots made, rebounds and a variety of other basketball statistics are tracked easily with this unique package. Requires Extended Basic. Sug. retail $24.95.
16715 Disk **Only $20.95**

Independent Software

LEARNING MORSE CODE AND PROGRAMMABLE MORSE CODE PRACTICE. A pair of programs from Dynamic Data to get you up to spect quickly! Learning Morse Code teaches the characters and provides drill and evaluation. Programmable Morse Code Practice offers more flexible practice, based on transmitting a message of up to 500 characters. Transmission speed and tone frequency are user-adjustable in both programs.
11569 Cassette **$22.00**
11574 Disk **$22.00**

DR. NUTTIER. This half-baked mental-health buff will field your questions with mind-blowing answers! Not always silly, either; some are downright unnervingly accurate. A million laughs and hours of pure, clean fun! Any age can play this masterpiece. Tremendous logic behind this program from Speech optional with the Speech Synthesizer and Terminal Emulator 2.
12327 Disk **$21.95**

ASTROLOGY —Horoscope Maker. A powerful program from Navarone for the professional astrologer or the serious student of astrology. Takes the pain out of casting an horoscope chart! The program automatically calculates the precise location of each planet, then prints a chart wheel with the planets located in houses selected from up to 9 house systems. Provides a printed chart in only 10 minutes that includes planet positions, house positions, elements, dignitaries, and much more. Charts may be saved on disk for future reference. Requires Extended Basic, 32K Memory Expansion, Disk System, and an 80 column printer.
21594 Disk **$49.95**

DOW-4 GAZELLE. Learn to fly or refresh your skills if you already are a pilot with this flight simulation program from John Dow. The program simulates a typical private, 4-place single engine instrument equipped airplane. Features include a full color instrument display and realistic sound. Beginners will learn to take off, land, and use radio navigation aids. Advanced skills include stall recovery, slow flight, and steep turns. Requires joystick.
21467 Cassette **$29.95**

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Make Your Own VIDEO TITLES

VIDEO TITLES I. Now produce custom titles for video recordings using your TI-99/4A! Three unique character styles—Bold, Computer, and Miniature are proportionally spaced and automatically centered for truly professional appearing titles. Twenty-six color combinations and multiple screen division with scrolling. This unique software lets your TI perform many of the same functions as professional title generation equipment costing thousands of dollars! Suitable both for commercial and home use. Runs in TI BASIC. From JKH Software.
21518 Casette **$29.95**
21522 Disk **$29.95**

• Commercial or Home Use

• Professional Appearance

VIDEO TITLES II. Use this program to produce **automated sequences** of custom titles for in-store advertising or for video recordings. Features include three proportionally spaced character styles (Bold, Computer, and Miniature), choice of centering or justification for each title, variable spacing, four frame styles, overlay of custom designs (logos, for instance), and storage for forty titles, forty sprite patterns, and ten title sequences. From JKH Software. Requires Extended BASIC and disk system.
21537 Disk **$49.95**

VIDEO TITLES III. This program lets you produce coding for adding custom titles to your own programs. Features include three proportionally spaced character styles, choice of centering or justification, and variable spacing. Just what you need to lend a professional look to your own software! From JKH Software.
21541 Cassette **$24.95**
21556 Disk **$24.95**

• Easy to Use

ORDER TOLL-FREE 1-800-348-2778 ORDER TOLL-FREE 1-800-348-2778 ★ NEW LOW PRICE

Hardware

NEW

TI Compatible Peripherals FROM CorComp!

RS-232 CARD. Fits perfectly in your TI Expansion Box to provide printer, modem, or other communications capabilities. Like the original TI RS-232 card, the CorComp offers both parallel (1) and serial (2) interfaces. The serial port may be split into two ports by using a "Y" cable (#10069) allowing simultaneous use of two serial devices. Rugged metal housing provides shielding and protection.
13300 **Only $89.95**

32K MEMORY EXPANSION. Expand your 99/4A's memory to a full 48K with this high quality memory expansion from CorComp! Now you can use word processing or spreadsheet software that won't run in the console's 16K, as well as write your own software to tap the greater potential of the expanded memory. Like CorComp's RS-232 card, this 32K memory fits perfectly in the TI Expansion Box and features heavy duty metal housing. Totally compatible with TI and independent software requiring 32K memory expansion.
13315 **Only $124.95**

SMITH-CORONA® TP-1

TENEX'S BEST SELLING LETTER QUALITY PRINTER AT AN INCREDIBLE NEW PRICE!

SPECIAL
Only $399

The TP-1 is a rugged daisy wheel printer suitable for home or office. Specifications are essentially the same as the TP-II (see page 31), without the self test feature and without the serial/parallel option (all Tenex TP-I's are furnished with a **parallel** interface. Use printer cable #10040 to connect to parallel port of RS-232 card.) We've had one of these in use in our own office for a year now, and are impressed by the durability of the printer and the excellent appearance of the finished documents it generates. A real buy at this new low price!

10125 TP-I, 10 char/in **Only $399.00**
13582 TP-I, 12 char/in **Only $399.00**

ORDER TOLL-FREE 1-800-348-2778

Super Expansion System For TI 99/4A

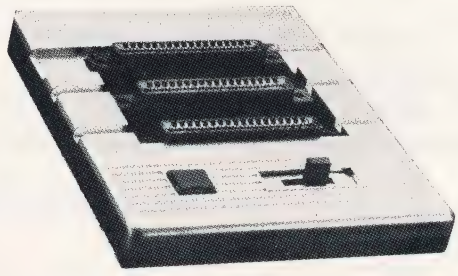
COMING SOON!

Tenex will soon be introducing a dramatically new expansion system capable of accepting TI and CorComp cards plus one or more disk drives. An on-board disk controller will control up to four disk drives, and include disk management functions in RAM (no module required). This peripheral, we are sure, will be an outstanding combination of value and performance. At press time final specifications and pricing were not available—watch for a new flyer from us in early 1984. Or feel free to call or write—we'll record your name and notify you as soon as the expansion system is available!

ORDER TOLL-FREE 1-800-348-2778

EXTEND CONSOLE LIFE!

Reduce Wear and Tear With The New CARTRIDGE EXPANDER



New cartridge expander plugs into the cartridge slot on the front of the TI 99/4A and allows up to three cartridges (modules) to be plugged in simultaneously. This handy device will virtually eliminate wear on the cartridge connector inside the computer plus prevent the overheating of cartridges occasionally encountered during periods of prolonged use. Includes a reset button that allows you to initialize the computer without using the console's on/off switch. Do you use your computer frequently? Do your kids switch cartridges numerous times in a single play or learning session? If so, invest in this inexpensive protection for your computer. Great for schools and other high-use locations, too!
13329 **Only $34.95**

ORDER TOLL-FREE 1-800-348-2778

TEXAS INSTRUMENTS

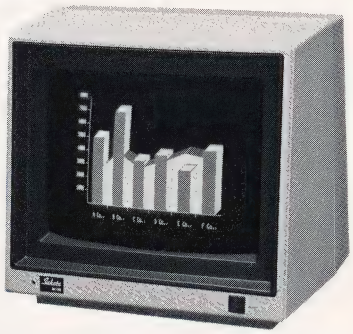
PERIPHERAL WORLD

LET'S DISCUSS... TV'S & Monitors

You interact with the computer through words or graphics displayed on a video screen and also through sounds or speech via the audio system. An ordinary television is fine; black and white will suffice, but color is much better. Your 99/4A Console comes packed with a TV Adapter (called an RF modulator) that connects to your TV's VHF antenna terminals. The TV Adapter also has a cable that plugs into the back of the 99/4A Console. This doesn't interfere at all with your ability to receive normal TV broadcasts.

A color monitor is similar to a TV without the tuner section. TI monitors come with a cable that plugs into the 99/4A Console. Since the signals from the computer don't go through the adapter and tuner, the image produced by a monitor is better than a TV. The monitor, however, cannot be used for broadcast reception.

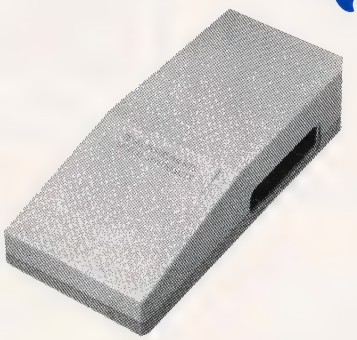
Sakata SC-100 Color Display Monitor



Enjoy the brilliant, vivid color graphics and text possible only with a monitor. Fully compatible with the 99/4A and other popular computers, this excellent monitor is backed by Sakata, precision manufacturers since 1896, with a **one-year** parts and labor warranty. The large 13" screen and built-in speaker are housed in a sturdy and attractively styled light beige cabinet. Resolution is 280 lines horizontal and 300 lines vertical. Convenient sound, contrast, and power controls on front panel with headphone jack. Requires monitor cable #21082. Dimensions 14.25" width, 13.5" height, 16.6" depth, 30.8 pounds.

13297 **Only $299.00**

Free Speech



Free Speech Synthesizer with the purchase of a total of six Solid State Software™ cartridges. Offer good through January 31, 1984. Check for details.

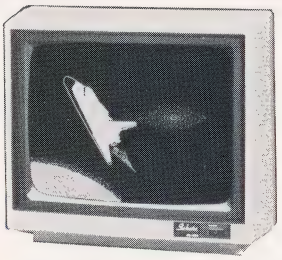
GREAT FOR EDUCATION SOFTWARE

The Solid State Speech™ Synthesizer plugs directly into the Home Computer's built-in connectors without external cables.

When used with one of TI's Solid State Software™ cartridges designed for speech, the Home Computer can give voice instructions and ask—and answer—questions. When used with the Speech Editor cartridge, it allows you to add speech to your own programs, drawing from a vocabulary of 370 words. When used with the Terminal Emulator II cartridge, it provides virtually unlimited text-to-speech capability to help you develop sophisticated speech programs.

15396 ★ **Only $79.95**

Super Resolution Monochrome Monitor



Unusually clear and distinct graphics and text are produced on this 12 inch, green phosphor Sakata monitor. Comes complete with non-glare faceplate. A shear joy for the serious programmer or business user. Fully compatible with the TI-99/4A, this superb quality monitor has a full year parts and labor warranty. Requires monitor cable 5.

21063 **$129.00**

Accessories

TELEVISION ADAPTER (RF Modulator).
15535 **Only $39.95**

AUDIO ADAPTER (Headphone jack) allows private listening.
15520 **Only $18.95**

MONITOR CABLE 1 will interface 99/4A console to the following monitors: NEC, USI, SMD, BMC, Amdek, Taxan, Comrex, Zenith, Transtar, Panasonic, etc.
21078 **$13.95**

MONITOR CABLE 5 will interface 99/4A console to the following monitors: **Sakata**, NEC, USI, BMC, Taxan, Zenith, Transtar, Commodore 1701, Panasonic, etc.
21082 **$7.99**

For the Professional Teacher, Producer...

VIDEO CONTROLLER SYSTEM

Aids in the production of professional video graphics. This system is intended for industry and educators rather than home use.

VIDEO CONTROLLER (requires appropriate cable)
15377 ★ **Only $389.95**

PANASONIC VIDEO CONTROLLER CABLES
15549 **Only $89.95**

SONY VIDEO CONTROLLER CABLES
15554 **Only $89.95**

PIONEER VIDEO CONTROLLER CABLES
15568 **Only $89.95**

(Call for details)

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PROGRAM AND DATA STORAGE

LET'S DISCUSS... Cassettes & Disks

If you wish to write your own programs, save the output from other programs, or run any of the independently produced programs listed in this catalog, you will need either a cassette recorder or a diskette system.

Remember the "bits" of information described above? By simply typing "SAVE CS1" on the console, your computer will record the appropriate contents of its memory onto a cassette tape for your later use. Transferring programs and data from tape into the computer is just as easy.

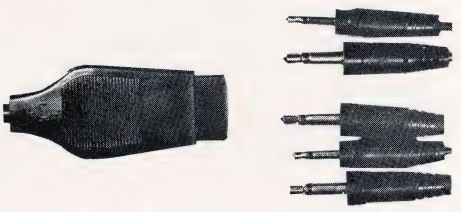
Using a diskette system is quite similar. The magnetic recording media is on a plastic disk rather than a tape. However, there are several significant differences. First is speed. To input a program from a cassette tape may take several minutes, versus a few seconds from a diskette. Another difference is that a cassette system records and reads information sequentially (since the head remains fixed). On the disk system, however, information can be recorded or read anywhere at any time because the head position is controlled. This means that files such as mailing lists and budgets can be maintained much more easily. As you might suspect, a diskette system is more expensive than the cassette recorder option.

Naturally, TENEX offers you a choice of quality peripherals for any system you choose. A cassette system requires at least one suitable cassette recorder and the cassette cable. One recorder will be fine for reading or saving programs, but a second is very convenient if you will be manipulating a significant amount of data.

TI CASSETTE CABLE

Necessary to connect your 99/4A to a single cassette recorder.

15592 **$12.95**



DUAL CASSETTE CABLE

Will connect your 99/4A to either one or two cassette recorders.

21186 **$14.95**

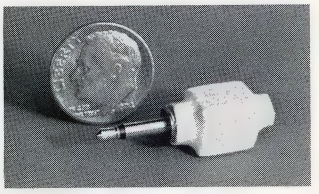
THE BEST FROM GE!

computer program data recorder

Designed from scratch for the booming home computer market, GE scores big with the following features:

- Special circuitry to prevent loss of computer data
- 3 digit program indicator
- Rotary tone control that allows precise adjustment to allow compatibility with many personal computers
- LED for data record and play
- Pause control with visual indicators
- Bright silver styling to fit computer decors
- Six pushbutton transport operation with pushbutton eject
- AC/DC power capability with AC line cord included or 4 "C" cells (not incl.).
- Color: silver and gray

Fully compatible with the TI Home Computer. **10197** Sug. retail $54.95. **Only $48.95**



CASSETTE ADAPTER

If your present cassette recorder does not operate when the cassette cable is attached, simply plug in this adapter to your recorder. It reverses the polarity of the remote control to be TI compatible. You save the cost of a new recorder.

10074 **$4.95**

TI CASSETTE DATA RECORDER

Records voice and music as well as data and programs. Digital counter, pause control. Built-in microphone. Includes single cassette cable.

Sug. retail $69.95

15432 **$57.95**

DISK MEMORY

for the ultimate in speed & power

TI self-contained drive shown.

TI EXPANSION SYSTEM DISK DR... bare, for insertion into Peripheral Expans... -sided.

TI DISK D... ...ed, with case, power supply, and cal... ...sided. Sug. retail $499.95.

NOT AVAILABLE

● **CALL OR WRITE FOR LATEST PRICING**

LET'S DISCUSS ... Disk Memory

The disk memory system requires a **disk drive controller** and at least one **disk drive**. The disk drive is analogous to a turntable and the controller is an electronic circuit that controls where the information is recorded and read.

Each controller is packaged at no extra charge with a Command Module called "Disk Manager" that makes it very easy to set-up and maintain files on the disk.

A one-sided disk drive records on only one side of the diskette and can store up to about 90,000 bytes (about 100 programs of 50 lines) on each disk. A two-sided disk drive records on both sides of the disk (naturally requiring a two-sided disk) and provides twice the capacity per disk. One controller can control up to three drives, whether they are single- or double-sided.

Disk drives are supplied either "bare" to fit into the expansion system box (which holds one drive) or complete with their own housing and power supply.

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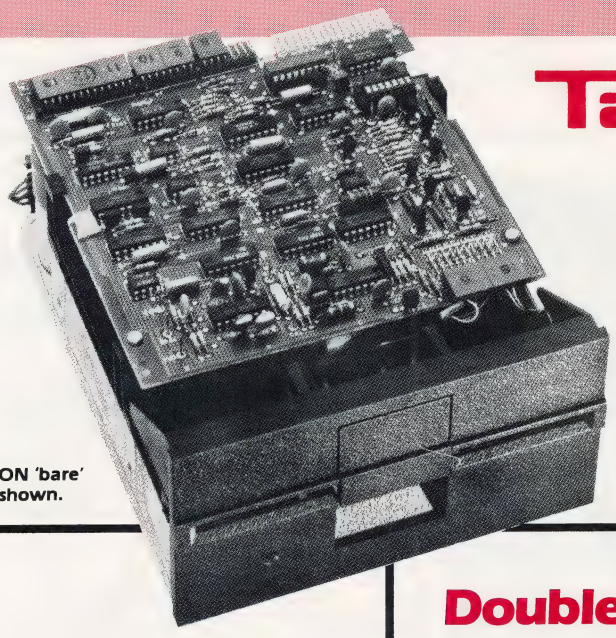
TENEX™ Computer Marketing Systems

THE GREATEST DISK DRIVE VALUES

LET'S DISCUSS... Disk System Requirements

1. Requires on Disk Controller Card which fits into the Peripheral Expansion Box. One controller can control up to three disk drives. Connects to the disk drives with appropriate cable.
2. Requires at least one Disk Drive—either "bare" which fits neatly into the Expansion Box, or self-contained (with case, power supply, and cables). You can choose either a single-sided disk drive or a double-sided disk drive.
3. Requires one Disk Manager Command Module (packaged with the Disk Controller at no additional cost).
4. Optional—up to two additional disk drives, either single-sided, double-sided, or one of each. Each additional drive must be self-contained.



TANDON 'bare' drive shown.

Tandon CORPORATION

ALL FULLY TI COMPATIBLE!! BEST QUALITY!

Tandon is the world's largest manufacturer of disk drives for microcomputers. Famous for quality, their drives are designed into many of the best known business and personal computer systems. All the following drives are compatible with the Texas Instruments Home Computer system. You can be confident that all drives ordered from TENEX come with all the necessary mounting hardware, cables, and detailed, easy to follow instructions.

TANDON SINGLE-SIDED DISK DRIVE. Bare, for installation in Peripheral Expansion Box or in case with power supply.
10130 **Only $199.00**

Double-Sided Disk Drives

2 side drives offer double capacity for only a few dollars more than TI one side!

These drives use both sides of a diskette simultaneously to offer twice the capacity of a single-sided drive, offering a substantial reduction in memory cost. These drives are as simple to use as single-sided and can read programs stored on single-sided diskettes. Use double-sided diskettes for maximum capacity. (Some users use a double and a single to increase their system flexibility while minimizing total cost. For instance, when using TI Writer or Microsoft Multiplan, the program disk is kept in the single drive while the double drive is used for the file disk, maximizing available file space).

TANDON DOUBLE-SIDED DISK DRIVE. Bare, for installation in Peripheral Expansion Box or in case with power supply. Dimensions are identical to single-sided drive, allowing a perfect fit in the expansion box or case. Requires Disk Manager 2 command module to perform disk utility functions on both sides.
10144 **Only $289.95**

Half-Height Disk Drives

Advances in manufacturing technology have made possible the development of disk drives with the same capacity, performance, and compatibility as the above drives with literally one-half the height. When these are commercially available, we will have them for you. (Note: we do not recommend the installation of two half-height drives in the peripheral expansion box that was designed for a single drive. Many half height drives, including Tandons, draw approximately as much power as full height drives. These power requirements exceed the rated capacity of the expansion box. While we are aware of successful installations of two drives in the expansion box, we feel that until more operating data is available, caution should be exercised to avoid possible equipment failure that would not be covered by the manufacturer's warranty.)

External Drive Accessories

To add a second or third drive to your system, you will need, in addition to the bare drive, a **box with power supply** (in which the bare drive is installed) and the appropriate **cable** (which connects the drive to the disk controller card.) The supplies listed below may be used either with a single or double sided Tandon drive or with the bare Texas Instruments drive. The TI external drive already includes the necessary components, and no additional items are needed.

BOX WITH POWER SUPPLY. Accommodates one full height disk drive. Horizontal type (like TI's external drive). Heavy gauge formed steel.
20164 **Only $69.00**

CABLE FOR ONE EXTERNAL DRIVE. Ribbon cable connects one external drive to the disk controller card. Approx. length—2 ft.
10178 **Only $24.95**

CABLE FOR TWO EXTERNAL DRIVES. Ribbon cable connects two external drives to disk controller card.
10182 **Only $29.95**

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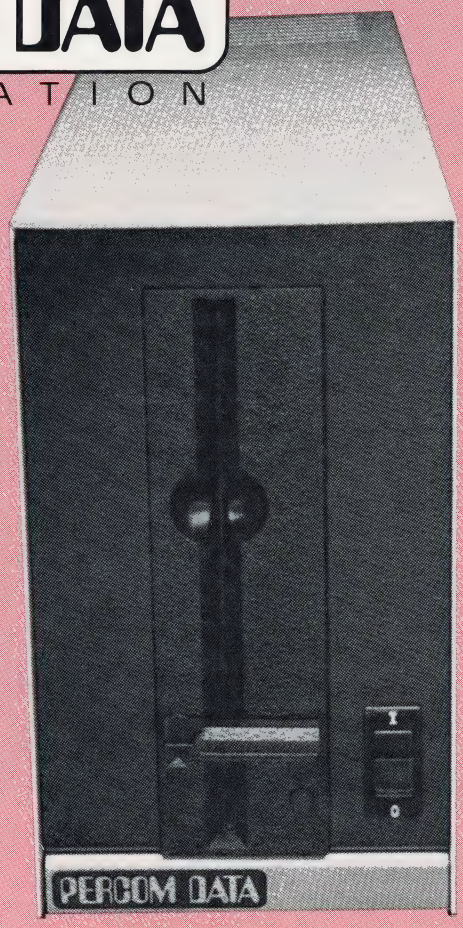
PERCOM DATA
CORPORATION

Disk drive breakthrough



This independent disk drive simply plugs into the side slot of your 99/4A console. No need for peripheral expansion box or disk controller card. All the electronics are contained within the attractive housing. The PERCOM DATA drive is a single sided, single density system, with 92K bytes (formatted) storage. This equals approximately 100 programs of 50 lines each.

Up to two additional drives such as Tandon or TI may be added to the PERCOM.

Included is a disk manager II command module, interface cable, and installation manual.

20323 **$389.00**

DUAL DRIVE. Same as above, but includes two single side, single density drives in the same housing.

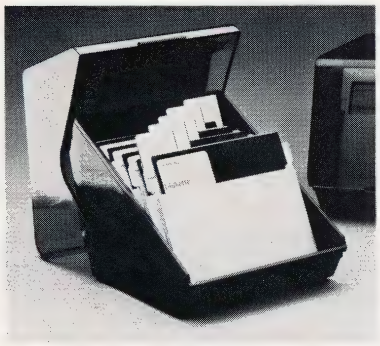
20338 **$649.00**

ADD-ON DRIVE. A single side, single density "dumb" drive to be used as second or third drive in conjunction with either single or dual PERCOM drives (above). Attractive brushed metal finish and vertical format match other PERCOM units.

20342 **$319.00**

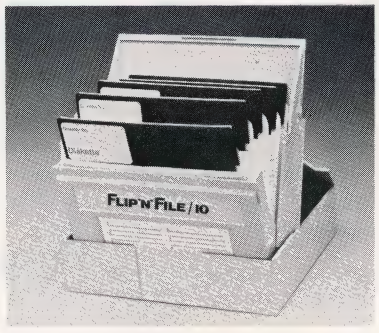
INNOVATIVE CONCEPTS

ELEGANT AND FUNCTIONAL PROTECTION FOR YOUR SOFTWARE INVESTMENT



See inside back cover for more.

Flip 'N' File Diskette Storage System beautifully stores up to fifty disks (5-1/4"). The unit comes with five index dividers. The durable lid, produced in transparent, smoke-colored plastic, also doubles as a carrying handle. Disks flip for easy identification and removal. **Sug. retail $29.95.**
10111 **$21.95**



Flip 'N' File/10 is great for using, transporting, or storing up to 10 disks (5-1/4") efficiently and economically. When open, the front panel falls forward, providing easy access to the media. The unit snaps shut, protecting your software from dust and moisture. Compact and sturdy. Sug. retail $5.95.
20150 **$4.95**

3M

AUTHORIZED DISTRIBUTOR INFORMATION PROCESSING PRODUCTS

We at TENEX take pride in offering the best quality products for the critically important job of storing your programs and data... and at discount prices! Data recording media and the disk read/write heads are the most vulnerable components of your computer system. Ensure their performance by using the best products available.

3M SINGLE-SIDED DISKETTES, 5-1/4" with double-density quality. 100% tested and guaranteed error-free. Reinforced hub. Use only with single-sided drives. Package of ten diskettes in a convenient storage box. Sug. retail $42.00.
19407 **Only $32.95**

3M SINGLE-SIDED DISKETTES, same as above, but economically packaged as two diskettes in a pouch. Sug. retail $8.80.
19412 **Only $6.95**

3M DOUBLE-SIDED DISKETTES, 5-1/4" with double-density quality. 100% tested and guaranteed error-free. Reinforced hub. Use with double- or single-sided disk drives. Package of ten diskettes in a convenient storage box. Sug. retail $60.00.
19426 **Only $47.95**

3M DOUBLE-SIDED DISKETTE, same as above, but economically packaged as two diskettes in a pouch. Sug. retail $12.60.
19431 **Only $9.95**

3M COMPUTER CASSETTES, C-10, five minutes time per side. Includes plastic case.
21167 (Quantity 1-9) **each $1.79** ★
(Quantity 10 & up) **each $1.49**

3M COMPUTER CASSETTES, C-30, 15 minutes time per side. Includes plastic case.
21172 (Quantity 1-9) **each $1.89** ★
(Quantity 10 & up) **each $1.49**

HEAD CLEANING DISKETTE KITS. Protect your investment in disk drives, diskettes, and (most importantly) your software. Each kit contains two head-cleaning diskettes, one four ounce bottle of cleaning solution with a dispenser cap. A simple maintenance routine requiring only 30 seconds. For 5-1/4" disk systems. Sug. retail $33.30.
19395 **Only $25.95**

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ORDER TOLL-FREE 1-800-348-2778

★ NEW LOW PRICE

PRINTER SHOWCASE

Best quality dot matrix and daisy wheel printers at the best prices

LET'S DISCUSS... Printers

A printer is an automatic typewriter (and more) for your computer. It translates the designated information from the computer into English (Spanish, Chinese or whatever) or graphics (such as graphs, charts, or designated patterns). Thus you can produce a permanent listing of programs, address envelopes, generate forms, graphs, and so on. With additional software you will have a fullfledged word processing system.

The performance of a printer is described basically by its speed, quality, and flexibility. Common printers are either a dot-matrix type (very fast—printing characters as an array of tiny dots) or a daisy-wheel type (slower, but quality matching a carbon film typewriter). Dot-matrix printers excell when high-speed, data tables, charts or graphs are your priority. If your principle need is the best quality for correspondence or text, a daisy-wheel printer may be preferred. Both dot-matirx and daisy wheel printers are impact printers; that is they form an impression by pressing an inked ribbon against plain paper. Another technology is called thermal printing. The printing element contains tiny dots that are selectively heated as the element passes over a thermally sensitive paper, producing permanently dark spots at points where the element was hot. Although thermal printing requires special paper, it does have the advantage of being virtually silent. New thermal printers make images that rival the best dot-matrixes in quality and with non-yellowing paper.

Our customers often ask "What's the difference between parallel and serial?" Briefly, the computer tells the printer what character to print by sending eight data bits. In the serial format, the bits go one after the other, while in the parallel format, all eight bits travel at the same time along eight separate wires. Parallel is capable of faster data transmission rates than serial, but this difference is usually not significant in comparison with the speed capabilities of printers sold for personal computing.

Another is "What's the difference between friction and tractor feed?" Friction feed is that used on the traditional typewriter and is best for single sheets of paper such as letterheads and envelopes. Tractor feed is associated with "computer paper:" long, connected sheets with holes punched along the edges. In a tractor printer, these holes fit over sprockets that precisely position the paper for long, automatic runs.

Don't forget

TO CHECK OUR PRINTER ACCESSORIES AND SUPPLIES SECTION FOR COVERS, BUFFERS, RIBBONS, LABELS, AND OTHER ENHANCEMENTS!

PAGE 34

REMEMBER the Computer-To-Printer Interface!

One is required to transmit print signals from your 99/4A to all printers (except the ALPHACOM described later). You can choose either the TI RS-232 Interface Card OR the Doryt Paraprint Parallel Interface. Both perform superbly with virtually any printer with a parallel input (36 pin "ribbon" connector) and the appropriate cable. The Paraprint has the advantage of not requiring the Peripheral Expansion Box. It is described in the New Arrivals section, page 42.

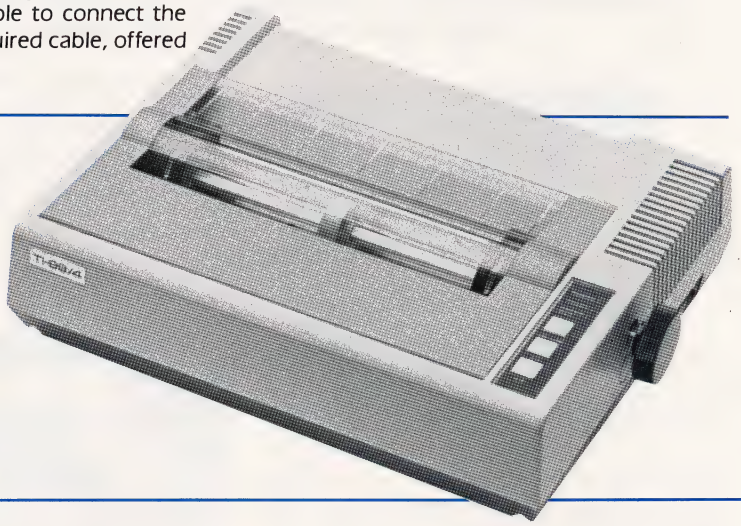
We recommend the parallel printer input where there is an option. Some printers are available with a serial input (25 pin connector). This requires the TI Interface and preempts the serial output from connection to another device such as a modem. (If you are already in this awkward situation, our "Y" cable provides an elegant way out.)

It is also **vital** that you use the correct, high quality interface cable to connect the interface to the printer. In this section, we will clearly indicate the required cable, offered at discount prices in our "Cable Stable."

TEXAS INSTRUMENTS

THE TI IMPACT PRINTER. This quiet, high performance dot-matrix printer fea... 30 characters per second bidirectional pri... ...e sizes and four distinct printin... ...act Printer also features ... ...rix print/head that's easily r... ...pairs. The printer can handle 40, 66, &... ...column widths and can print text or graphic c... The TI Impact Printer requires an RS 232 Interface. Cable included.

NOT AVAILABLE



More Great Printers

ORDER TOLL-FREE 1-800-348-2778 ORDER TOLL-FREE 1-800-348-2778 ORDER TOLL-FREE 1-800-348-2778

EPSON

All our EPSON printers come with GRAFTRAX+ enhanced graphics package—guaranteed!

The quality and performance you expect from the world's largest manufacturer of printers. The best known computer manufacturers put on their own name and sell them for hundreds more. Offered to you at discount prices.

EPSON FX-80

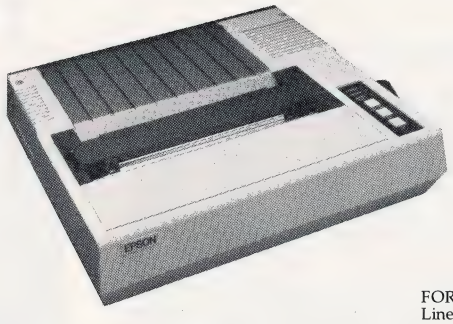
Talk about features and performance! Let's start with the blazing 160 character per second bi-directional print speed and a tack-sharp nine wire print head (easily user replaceable) with an expected life of a hundred million characters. Of course you have great graphics capability (see specifications) and both friction and tractor drive, allowing use of single sheet paper or 8-1/2" wide pin-feed paper including labels and forms.

19183 **$619.95**

EPSON FX-100

EPSON FX-100—Same super features in a super width, 136 columns.

22046 **$799.00**



160 CPS!

Print Method	Serial impact dot matrix
Print Rate	160 CPS
Print Direction	Bidirectional in text mode; unidirectional in bit image mode, superscript/subscript, or when programmed
Number of Pins in Head	9
Matrix	9x9 to 18x18 (See "Print Modes") or 11x9 user definable.

PRINTING CHARACTERISTICS

Character Set	Full 96-character ASCII with descenders; 9 international character sets; 256 programmable, downloadable characters
Bit Image Graphics	60 DPI 72 DPI (1:1 ratio) 80 DPI 90 DPI 120 DPI
Printing Modes	Standard, 9x9 matrix Double, 9x18 matrix (advance paper 1/216th and repeat line); Emphasized, 18x9 matrix (shift right and double strike); Double Emphasized, 18x18 matrix (combination of above)
Number of Characters per line	Selectable via DIP switch (80 or 132), and programmable

PRINTING SIZES	Characters Per Inch	Max. Characters Per Line
Normal	10	80
Normal Expanded	5	40
Compressed	17.16	132
Compressed Expanded	8.58	66
Elite	12	96
Elite Enlarged	6	48

FORMS HANDLING

Line Feed	Programmable length 1 to 255/216ths
Form Feed	Programmable to 127 lines or 22"
Horizontal Tab	To 32 programmable positions
Skip Over Perf	Programmable length and interval
Vertical Tab	To 16 positions
Programmable Vertical Format Unit	Allows vertical tab on multiple forms
Reverse line feed	

INTERFACES

Standard	Centronics-style 8-bit Parallel
Optional	RS232, IEEE488
Buffer Size	2K standard

MEDIA HANDLING

Paper Feed	Pinfeed platen 9.5"-10"; adjustable snap-off tractor, optional
Paper Width Range	With optional tractor: 9.5" to 10" fanfold, 4" to 9". With standard pin/friction platen: 7.25" to 8.5" single sheet; 8.5" roll.
Number of Parts to Form	1 original plus 2 copies 0.3 mm (.012") max.
Paper Path	Rear

RELIABILITY

Print Head Life Expectancy	100 x 10^6 characters
MCBF (Excluding Print Head)	5 million lines

SELF TEST MODE

Depressing Line Feed Switch while turning power ON engages self-test which prints all characters in ROM.

PHYSICAL CHARACTERISTICS

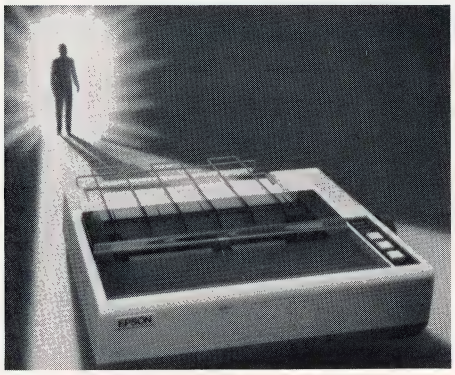
	Height	Width	Depth	Weight
FX-80	3.9"	16.5"	13.6"	16.5 lbs.
	100 mm	420 mm	347 mm	7.5 kg

Introducing the NEW RX-80

100 CPS! **$299**

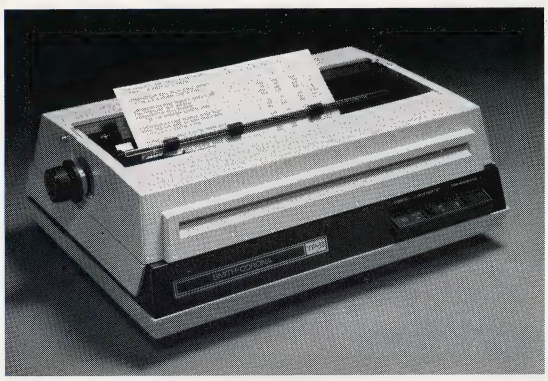
The high speed and advanced features of the latest dot-matrix printers at an affordable price. Don't worry, the goodies haven't been left off. You get 128 different typestyles with super sharp resolution. Bidirectional, logic seeking printing at 100 characters per second. You even get programmable forms control, graphics, and a special, half-speed Quiet Mode. Tractor feed allows use of perforated computer paper. Requires RS-232 Interface Card and Parallel Printer Cable.

19179 **$299.00**



NEW Smith-Corona TP-II.

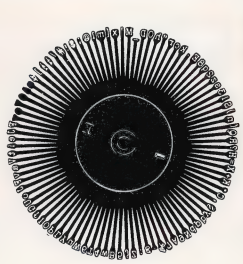
Microprocessor electronics
Serial and Parallel Interface
Simple, Reliable Mechanism



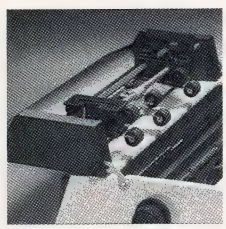
The incomparable print quality of electronic daisy-wheel text printing. The quality of Smith-Corona. The great price by TENEX.

Microprocessor controlled daisy-wheel printer delivers fully formed executive quality printout at 144 words per minute. Dozens of type fonts are available on inexpensive, easy to change daisy-wheels. Friction drive accepts up to 13" paper width. User controls include on/off, top-of-form, impression control, line spacing, form feed, single line feed, self-test mode. The TP-II has **both** parallel **and** serial interface inputs. Comes with ASCII Tempo print-wheel (see example) and 10 character per inch pitch (12CPI pitch is available as a no-cost option). 6.4" x 19.5" x 12.4", shipping weight is 24 pounds. Sug. retail $595.00.

TP-11/10CPI-22032 **Only $469.00**
TP-11/12CPI-13597 **Only $469.00**



Wide variety of quick change, low cost print wheels.



Tractor feed option permits use of continuous pin-feed paper including forms and labels. Easy to install.

19961 **$139.00**

ORDER TOLL-FREE 1-800-348-2778 ORDER TOLL-FREE 1-800-348-2778 ORDER TOLL-FREE 1-800-348-2778

Delta- 10

The flagship of the famous Star Micronics group! Produces 160 crisp characters every second with 100% duty cycle. The nine wires forming the dot-matrix print head produce print quality rivaling daisy-wheel printers, with the speed of 160 CPS bidirectional printing. Uses standard sheet or fan-fold paper because it has both friction **and** tractor drive.

Talk about versatility: print size of 5, 6, 8.5, 10, 12, and 17 characters per inch; columns on a standard sheet numbering 40, 48, 68, 80, 96, and 136; sheet paper from 8.3 to 10 inches wide; fanfold paper (including labels) from 3 to 10 inches wide; line spacing of 1/6 or 1/8 inch or program your own spacing.

Choose the character matrix that suits your need: 9x9 dots standard with true decenders (e.g. the tails on p's and q's really go below the "line"), 18x9 emphasized, 18x18 double strike, 6x6 block graphics (standard design set stored in the printer which you can use), 60x72 low resolution bit image graphics (defined by you in software), 120x144 high resolution bit image graphics, 240x144 ultra high resolution bit image graphics.

All of these character sets are stored in the **DELTA-10** ready for your use: 96 standard ASCII characters (similar to your keyboard set), 96 italic, 64 special characters (e.g. foreign alphabets), 32 block graphic patterns, and 96 downloadable characters (you define). All these character fonts are available to you: normal (10 characters per inch), elite (12 CPI), condensed (17 CPI), enlarged (5, 6, 8.5 CPI), emphasized, double strike, italics, and super and sub scripts.

Special features include: self test mode, continuous underline, vertical and horizontal tabs, column scan bit image graphics, standard **8K** buffer.

Yet, with all this advanced technology, the Delta-10 is very easy to use and maintain. It uses standard Underwood ribbons. When the print head wears out after millions of cycles, it is simple to replace by the user. The **Delta-10** has both serial and parallel interfaces standard, so you can use either our MicroPal parallel printer cable, #10021, or our MicroPal serial RS232 cable, #10055.

Printer dimensions are 13.2" W x 12.4"D x 5.8"H and weighs 15.4 pounds.

Sug. retail $649.00

21645 Delta 10 Printer — **Incredible! Only $499.00!**

21631 Ribbon for Delta 10 — **$2.49**

160 CPS!

DELTA 15 PRINTER. Same great features and high print speed as the DELTA 10, but will accommodate paper up to 15.5" wide!

12999 Delta 15 Printer — **Only $699.00**

21631 Ribbon for Delta — **Only $2.49**

NORMAL (10 CPI)
ELITE (12 CPI)
CONDENSED (17 CPI)
EMPHASIZED
DOUBLE STRIKE
ENLARGED
SUPER/SUB SCRIPT
ITALICS
AND MANY, MANY MORE

star micronics • inc

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PRICE BREAKTHROUGH!

stx-80

THERMAL PRINTER

SUPER QUIET!

A full 80 column thermal printer, perfect for the TI 99/4A Home computer. Don't be fooled by the price; advanced technology has loaded this quality printer with performance features. A nine element print head for superb graphics. All 96 ASCII characters, PLUS 51 european characters, PLUS 64 block graphic characters. Bidirectional printing at 60 characters per second with horizontal tabs and column scan bit image graphics. The very quiet STX-80 uses standard 8.5 inch thermal printing paper roll which will not darken under normal conditions.

The STX-80 has a standard parallel interface so you can use our MicroPal parallel printer cable, #10021. Printer dimensions are 13.4"W x 6.9"D x 3.9"H; weight is 7.7 pounds.

Sug. retail $199.00.

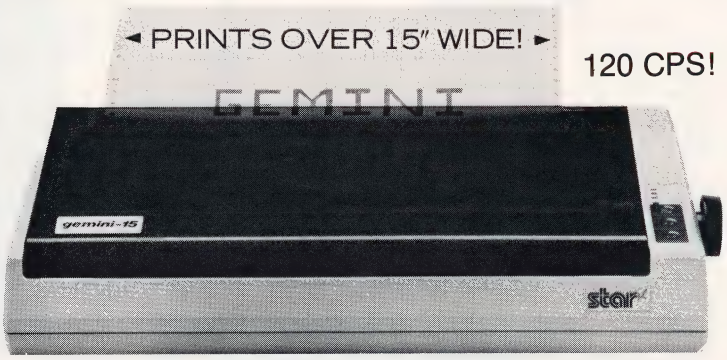
19657 STX-80 Printer — **Only $179.00**

19676 Thermal Paper (Two 100-foot rolls) — **$9.95**

Gemini 15X

◄ PRINTS OVER 15" WIDE! ►

120 CPS!



Made for those of you who require the ability to print on paper up to 15.5" wide, the Gemini 15X dot matrix printer has a speed of 120 characters per second, bidirectional, with a nine wire print head. Prints up to 232 columns with all of the character fonts and character sets of the Delta-10. Character matrix from 9x9 with true descenders to 120x144 high resolution bit image graphics. All of the special features of the Delta-10, including both friction and tractor paper drive for single sheets or fanfold.

Comes with standard parallel interface; use the MicroPal parallel printer cable, #10021. With optional serial interface, use #10055. Gemini-15 dimensions are 21.3"W x 12.4"D x 5.3"H; weight is 22 pounds.

Sug. retail $549.00

21612 Gemini 15X Printer

21626 Serial Interface for Gemini — **$79.00**

21631 Ribbon for Gemini — **$2.49**

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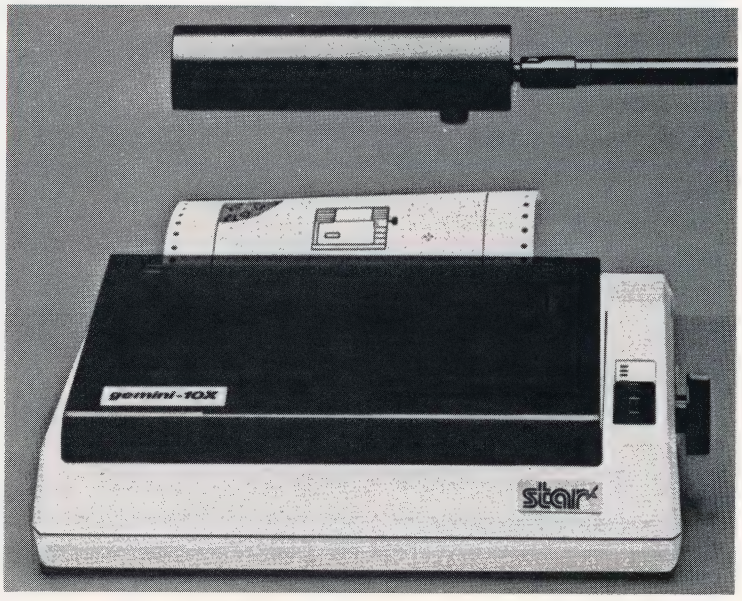
Gemini 10X

star micronics·inc



Star took their extremely popular Gemini 10 dot matrix printer and made it even better. The Gemini 10X has a nine wire print head and bidirectional printing at **120** characters per second. It has most of the state-of-the-art features found in the Delta-10 such as a 9x9 standard matrix with true descenders and all the other character matrixes up to the 240x144 ultra high resolution bit image graphics. In addition, the Gemini 10X also offers the same range of print size, column size, character sets, character fonts, and even all of the special features of the Delta-10.

The Gemini 10X also has both tractor and friction drive to handle sheets from 8.3 to 10 inches wide and fanfold (including label stock) from 3 to 10 inches wide. You also have the convenience of a user replaceable printhead and common Underwood ribbons.

The interface is standard parallel so you can use our MicroPal parallel printer cable, #10021. An optional RS232 serial interface is also available. Gemini 10X dimensions are 13.2"W x 12.4"D x 5.8"H and weighs 15.4 pounds. Sug. retail $399.00

19661 Gemini 10X Printer **Only $329.00**
21626 Serial Interface for Gemini **$79.00**
21631 Ribbon for Gemini **$2.49**

120 CPS!

Don't Have a Peripheral Expansion System?...

No Problem!

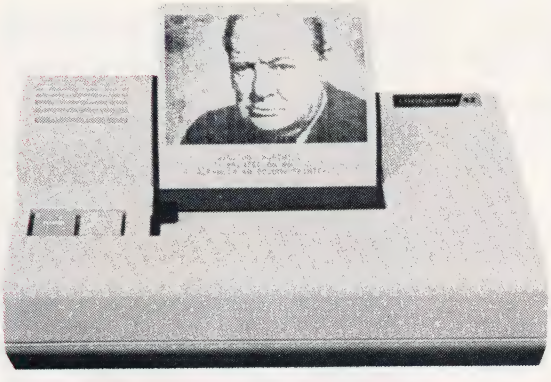
Alphacom

Alphacom printers plug **directly** into the side-slot of your 99/4A console! These high performance, low cost thermal printers produce quality graphics and text: program listings, charts, graphs, word processing. Print speed is 80 characters per second; ten characters per inch column spacing; six lines per inch vertical spacing. Full graphics capability with resolution of 80 dots per inch. Come with paper roll and easy instructions.

Alphacom printers require thermal paper. You must also purchase the appropriate interface cable for TI-99/4A shown below.

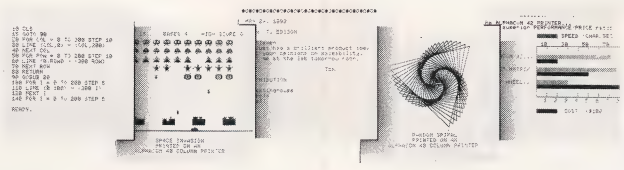
alphacom 81

Alphacom 81, 80 column line width.
20372 $149.00
Interface 81 cable for TI 99/4A console
20591 $44.95
Thermal Paper (81)-Black (2 rolls)
20619 $9.50



alphacom 42

Alphacom 42, 40 column line width.
20529 $109.00
Interface 42 cable for TI 99/4A console
20548 $44.95
Thermal Paper (42)-Black (2 rolls)
20567 $4.75



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NOW Have Both an Executive Quality Typewriter and Printer!

SMITH-CORONA MEMORY CORRECT III MESSENGER

A full-featured electronic typewriter that peforms as a letter-quality daisy wheel printer with an optional plug-in interface. You can choose from ten different typestyles on easily changed daisy wheels. At the touch of a switch you can have 10, 12, or even 15 characters per inch.

The **Memory Correct III Messenger** performs typing tasks automatically with simple commands: headline centering, underscoring of letters, words, or complete lines, aligning tabulated charts, and more. Automatically correct up to 157 characters with the touch of a key. Produce flush right margins. N-key rollover (you can't out-type it). Several auto-repeating keys. Accepts paper up to 13" width. Even includes a rugged, double walled carrying case for people on the move.

Attractive contemporary case in oyster white and forest brown. Net weight 22 pounds. Weight in optional case 29.7 pounds.

Sug. retail $635.00

21895 **Only $469.00**

MESSENGER MODULE interfaces the Memory Correct III to your computer. Simply plugs into the typewriter and has connectors for both RS 232 serial or parallel inputs. Requires TI's RS232 interface card and either our Serial Interface Cable, #10055, or Parallel Interface Cable, #10021.

21907 **Only $149.00**

(BE SURE TO CHECK OUR ACCESSORIES AND SUPPLIES SECTION FOR RIBBONS, DAISYWHEELS, AND MORE!)

PRINTER SUPPLIES AND ACCESSORIES

Enhance your system and improve efficiency with these useful products.

ALPHACOM

-Interface cable for Vic 20 or Commodore 64. **20534** **$34.95**

-Paper refills for Alphacom 42, black image, two rolls. **20567** **$ 4.75**

-Blue image, two rolls. **20553** **$ 4.75**

-Paper refills for Alphacom 81, black image, two rolls. **20619** **$ 9.50**

-Blue image, two rolls. **20604** **$ 9.50**

EPSON

-Vertical tractor unit for FX-80, allows use of any width pin-feed paper such as one-up labels. Without this unit, pin-feed paper must be standard 8-1/2" width. **22070** **$39.95**

-Graftrax+ kit for MX-80 printers upgrades your MX-80 graphics capability with a plug-in ROM cartridge. **22051** **$75.00**

-Ribbons, black inked fabric, three million character life. Simple, drop-in cassette. Fits all MX-, RX-, and FX-80 models. **19200** **$14.95**

-Same for MX-, RX-, and FX-100 models. **19215** **$24.95**

-Replacement pack for -100 models. **19229** **$ 9.95**

-Dust Covers, top quality antistatic vinyl protection for MX-, RX-, and FX-80 models. **19272** **$ 8.95**

-Operations manual for MX series printers. **22065** **$19.95**

SMITH-CORONA

-Printwheels, snap-in easily so you can choose your favorite type style. Expected two million character lifetime. Fits TP-I, TP-II, and Ultrasonic III Messenger: **$ 7.95**

21931 -Pica 10	21998 -Judicial 10
21945 -Regency 10	21979 -Tempo 12
21950-Corporate 10	22008 -Presidential 12
21954 -Tempo 10	22013 -Elite 12
21983 -Micron 15	22027 -Script 10-12

-Ribbons, drop-in ribbon cassettes fit the TP-I, TP-II, and Ultrasonic III Messenger:

-Lift-Rite Black, errors lift off paper with adhesive strip. Recommended for Ult.III. Includes correction spool. **21926** **$ 7.35**

-Black multi-strike mylar film for a dense, clear print. For the TP-I and -II. **19248** **$ 7.95**

-Black nylon multi-strike ribbon for longest life, routine printing. For the TP-I and -II. **19253** **$ 3.95**

-Cable, Smith-Corona TP-I and TP-II with parallel interface. Self-contained electronic matching circuits successfully connect these printers to the parallel port of TI's RS232 Interface Card. Guaranteed. Five foot length standard. (See cable section.) **10040** **$37.95**

STAR MICRONICS

-Ribbon for Gemini-10, 10X, 15X, and Delta 10 **21631** **$ 2.49**

-Serial interface adapter for Gemini-10X and 15X. **21626** **$84.95**

TEXAS INSTRUMENTS

-Ribbons, black inked fabric, three million character life. Simple, drop-in cassette. **19200** **$14.95**

-Dust Cover, top quality, antistatic vinyl protection. **19272** **$ 8.95**

CABLES

Standard parallel inteface printer cable. Has "Centronics" type 36 pin connector on one end and a 16 pin connector on the other to fit the parallel port on TI's RS232 Interface Card. For the following printers: Epson, Star Micronics, Prowriter. Guaranteed. Five foot standard length. (See cable section.) **10021** **$24.95**

Okidata printers with parallel interface. Self-contained electronic matching circuits successfully connect Okidata printers to the parallel port on TI's RS232 Interface Card. Guaranteed. Five foot length standard. (See cable section.) **10036** **$37.95**

RS232 serial for connecting any printer with an RS232 interface to the RS232 serial port on TI's RS232 Interface Card. Guaranteed. Five foot length standard. (See cable section.) **10055** **$24.95**

"Y" serial cable, provides two separate RS232 female connectors allowing use of both RS232 ports available from the single female RS232 connector on TI's RS232 Interface Card. (See cable section.) **10069** **$49.95**

LABELS

-Self-adhesive, on continuous pin-punched carrier for tractor drive printers.

-5000 labels with one label across. Carrier width 4-1/4". Label size 3-1/2" x 15/16". **19267** **$13.95**

-3000 labels with 3 labels across. Carrier width 9-1/2". Label size 2.75 x 15/16". **22277** **$12.95**

PAPER TRACTOR™

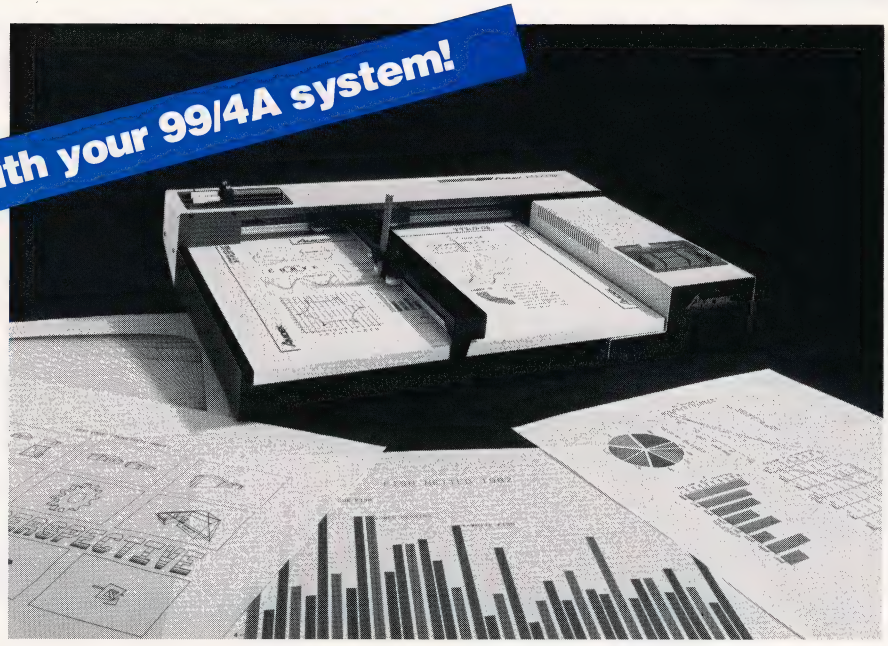
Carries ordinary sheet paper through your tractor-feed printer!

Simply place your letterhead, checks, invoices, forms, even legal-size sheets into the durable flexible plastic carrier and feed into your adjustable tractor-drive printer. Works with any printer, carries any paper. **22084** **$11.95**

ORDER TOLL-FREE 1-800-348-2778 ORDER TOLL-FREE 1-800-348-2778 ORDER TOLL-FREE 1-800-348-2778

AMDEK X-Y PLOTTER

Generate color graphs with your 99/4A system!



Only
$745.00

Plot graphs, charts, drawings, text, whatever you wish, with color pens on ordinary paper, acetate, or transparencies up to 10" by 14". Built-in software to utilize simple BASIC commands and automatically prints letters and numbers with one command, you specify which and the size. The businessman can draw statistical charts, workflow diagrams, performance graphs, organizational charts—right from your computer, ready for binding or overhead projection! Use the plotter for any type of engineering graphics: floor plans, circuit diagrams, mathematical functions, anything! Even geometric patterns and art! How can you resist?

This quality Amdek plotter has a super resolution of .004" and a repetition accuracy of .012" or less. Speed is 2-3/4" second. In addition the alphanumeric character set stored in the plotter's memory there is automatic axis generation, several dotted and dashed line styles, and an automatic test mode that will run it through its paces.

Multicolor plotting is easy; just click a different pen into the magnetic holder. Switches control power, pen-up/down, and pen position: up/down/left/right. Display indicates power, pen-up, and alarm. Physical dimensions are 25"W x 4"H x 17"D, weight is 26 lbs.

The plotter is connected to the parallel port of your RS-232 card using MicroPal interface cable #22102.

The plotter is connected to the parallel port of your RS-232 card using MicroPal interface cable #22102.

22099 **$745.00**
MicroPal parallel interface cable for Amdek Plotter
22102 **$44.95**

Voice Command!

Move your 99/4A system to the cutting edge of technology with the MBX™ expansion system from Milton Bradley. Developed only for the TI Home Computer, this system contains the expander console that plugs into the joystick port and has a 64 position keypad, two joystick ports, speech synthesizer and voice recognition control center. Also contains the headset with earpads and microphone for spoken commands! Your voice controls the action. Plus the most sophisticated joystick ever with full analog stick for 360° rotation and proportional x-y control, a quick-fire trigger and three auxilliary control buttons for special functions. How can you resist? Sug. retail $129.95
22117 **Only $109.95**
Additional Joystick 22121 **$26.95**

Milton Bradley has also developed super command cartridges that show off the capabilities of the MBX system, however all **except** Bug Hunt, Soundtrack Trolley, and Championship Baseball can be played on the 99/4A without the MBX system.

GAME TIME!

Bright Beginnings™

series command cartridges make early learning fun with educational games.

Terry Turtle's Adventure™

Tell Terry how to get home and watch him obey and talk back! Utilizes speech synthesis and voice recognition. Children guide Terry through a changing landscape. Teaches elementary programming and learning concepts. Ten basic commands. Requires MBX expansion system. Sug. retail $59.95
22136 **$49.95**

I'm Hiding™

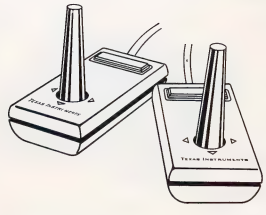
Hide-and-seek fun with bugs playing peek-a-boo in your crayon box. Utilizes speech synthesis and voice recognition. Bugs call out clues to tell kids if they're hot or cold. Clever use of the keypad lets youngsters deduce hiding places. Lots of colorful graphics. Requires MBX expansion system. Sug. retail $59.95.
22140 **$49.95**

Arcade Plus™

series game cartridges offer exciting arcade action plus the thrilling dimensions of speech and voice command.

See
New Arrivals Section
for Latest Titles!

The Wired Remote Controllers



The Wired Remote Controllers are for fun and games. They let you maneuver objects on the screen. Each unit features an eight-position remote control with side-mounted action button. These "joysticks" are important accessories for TI's fast action games.
Sug. retail $34.95.
15499 **Two for only $27.95**

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NEW

HEX-BUS™ System from TI...

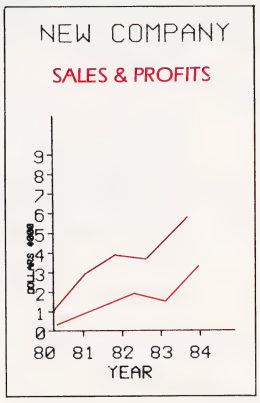
TEXAS INSTRUMENTS

the lower cost alternative to the Peripheral Expansion System.

A complete collection of compatible peripherals that connect to each other with a simple cable. The Hex-Bus system can work with either the 99/4A console or CC-40 computer. Refer to the complete system illustrations at the beginning of the book.

HEX-BUS ADAPTER. All you need to make the 99/4A compatible with the Hex-Bus peripherals. Simply plug it in to the side expansion slot on the console (like the Speech Synthesizer) and connect the Adapter's cable to the Hex-Bus peripherals of your choice.
Sug. retail $59.95.
15381 **Only $49.95**

PRINTER/PLOTTER. Print up to 36 characters per line in four colors on standard 2-1/4" wide plain paper. Ten different print sizes and four different print angles. Use as an x-y plotter for pie charts, bar graphs, trendlines, and more. Recharger and rechargeable batteries included. 9.2" x 5.7" x 1.8" dimensions. Sug. retail $199.95.
15451 **Only $159.95**



TELEPHONE MODEM. Direct connect modem plugs directly from the Hex-Bus system into telephones using standard modular plugs. Together with the Terminal Emulator II (for the 99/4A) or the Memo Processor/Data Communications cartridge (for the CC-40), allows you to connect with other users by phone, or tie into the many large data bases. Sug. retail $99.95.
22239 **Only $79.95**

VIDEO INTERFACE. For CC-40 only. Allows full 40-character by 24-line screen display on any TV or video monitor. Sug. retail $99.95.
13282 **Only $79.95**

WAFERTAPE™ DIGITAL TAPE DRIVE. Stores and uses data and programs in a thin cassette containing an endless loop of magnetic tape. Much faster than an audio cassette system (but not as fast as a disk). Software in the Wafertape format is described below. Powered by an included ac adapter or four AA batteries (not included). Sug. retail $139.95.
Only $109.95

Blank 10 foot Wafertape cartridge. **Only $4.95**

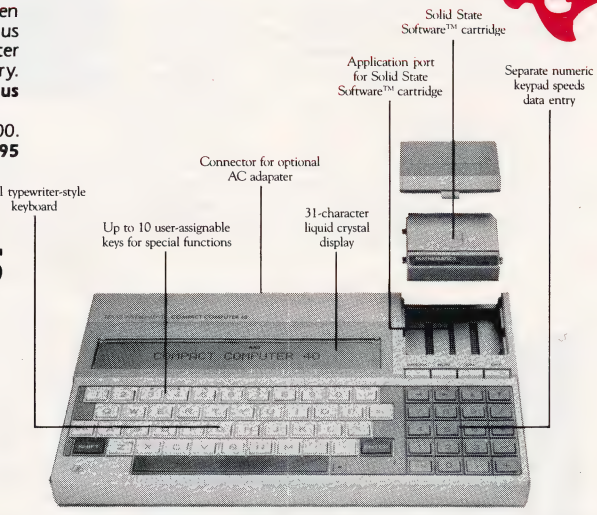
RS-232 INTERFACE. Lets you connect to any equipment using standard RS-232 input/output, such as modems and serial printers. An optional parallel interface adapter cable allows connection to parallel input printers. Powered by ac only.
Sug. retail $99.95, w/Par. Int. $124.95.
15470 RS-232 Interface **Only $79.95**
15484 RS-232 Interface w/Parallel Option **Only $99.95**

NEW

The PORTABLE Compact Computer 40 from TI

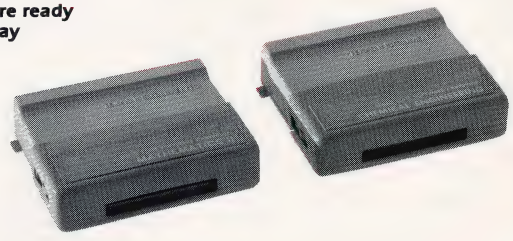
Has built in enhanced BASIC. Constant memory stores data or program even when computer is off. LED displays 31 easy to read characters, with 18 special indicators plus contrast control. Internal memory of 6K RAM and 34K ROM. Full 69 key typewriter style keyboard. Up to 10 user-assignable keys and numeric keyboard for data entry. Accepts plug-in Solid State Software cartridges. **Easily connects with all the Hex-Bus peripherals shown above.** Size 9.2" x 5.7" x 1", 22 oz. shipping weight.
Sug. retail $250.00.
19938 **Only $199.95**

Only $199.95


Solid State Software™ cartridge
Application port for Solid State Software™ cartridge
Separate numeric keypad speeds data entry
Connector for optional AC adapater
Full typewriter-style keyboard
Up to 10 user-assignable keys for special functions
31-character liquid crystal display
COMPACT COMPUTER 40

Solid State Software Cartridges

Plug into the applications port of CC-40 and you're ready to compute away immediately.



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22296 Finance	**$49.95**	**22366 Memo Processor/**	
22309 Business Graphics	**$49.95**	**Data Communications**	**$49.95**
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Programs to solve your problems stored on tape. Simply insert into required Wafertape Drive. Only $17.95 each!

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Inventory Control	Production and Planning	Nonparametric Statistics
QA, Sampling Plan	Perspective Drawing	Profitability Analysis
QA, Control Data	Pipe Design	
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telecommunications

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By an agreement with Anchor Automation and The Source, we at Tenex can offer you this unbeatable deal, while supplies last. With the purchase of any Anchor Signalman Modem, you will receive a FREE subscription to The Source (a $100 value) plus one hour free connect time. The Source is a macro-database that also contains Texnet, a TI users database where you can exchange information with tens of thousands of other TI users—even load ready-to-run programs.

The Signalman Mark III is specifically for the 99/4A. It is a direct-coupled modem: the **included** cable plugs into the RS-232 Interface's serial port, and another included cable plugs into your modular telephone (not suitable for "trimline" style phones). More reliable than accoustically coupled modems. Provides an audible "carrier detect" signal so you know when you're connected. Fully Bell 103 compatible. Automatically changes between "originate" and "answer" as required. Data rate of 300 baud. Powered by internal 9V battery (not included) or an optional 110 VAC adapter.

19112 **$89.95**

LET'S DISCUSS... Communications

You can communicate with other computers and access giant databases for information on virtually anything: stocks, books, patents, statistics, software, send and receive electronic mail and much more. A modem (modulator/demodulator) is a device that interfaces your computer to your telephone allowing voice or data to be sent where you choose. All you need is a modem that connects to the serial connector on your RS-232 INTERFACE CARD and TERMINAL EMULATOR software that configures your computer to function just like a telecommunications terminal. This greatly simplifies the transfer of files, keyboard controls, color, sound, graphics, and even synthesized speech for transmission or reception.

TI TELEPHONE COUPLER MODEM
connects to your telephone handset for accoustically coupled data transmission/reception. Cable included.
15408 **$79.95**

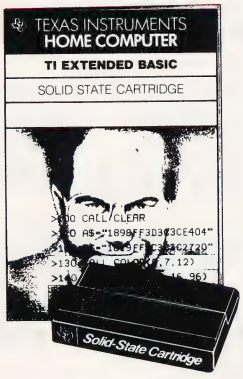
TERMINAL EMULATOR II COMMAND MODULE. Turns your TI 99/4A into a smart telecommunications terminal. Simply plugs into the console's module slot. Also allows creation of your own words when used with the Speech Synthesizer (extra).
15996 **$19.95**

AC POWER ADAPTER eliminates need for batteries. Recommended.
19126 **$9.95**

PROGRAMMING LANGUAGES

Extended Basic Command Module

—Everyone's first language enhancement.



Many popular games and other software require Extended Basic.

A powerful, but simple, form of Basic is built right into the TI Home Computer. After you have mastered it, you will really appreciate the capabilities of Extended Basic, available as a Command Module. With it you can program smooth motion into your graphics, add speech (with optional Speech Synthesizer), and have a total of 40 new or expanded commands, statements, functions, and subprograms. Also use multiple statement lines for speed and efficiency. Write and call your own subprograms. Load and run one program from another (chaining). Handle arrays up to seven dimensions.

Even if you don't program, this module allows you to run the large number of software programs written in Extended Basic. Comes packaged with 224 page manual. Sug. retail $99.95.
18655 **Only $79.95**

TI LOGO II Command Module

—Simple enough for a child, but powerful language capabilities.

Like its popular, pioneering forerunner, TI LOGO, TI LOGO II is an ideal computer language for children and students of all levels of ability. Even children as young as 4 find TI LOGO II an exceptionally easy to understand language that actually makes learning fun.,

TI LOGO II uses a step-by-step discovery method of learning that encourages the student to participate and even to gain control over the learning experience. In the immediate or programmable mode, the language helps the student to develop spelling and communication skills and sequential thinking through line drawings (turtle graphics) or animated graphics (sprites).

The student can control the sprites' shape, color, speed, directional heading and position on an x/y coordinate. The student can even control up to 32 sprites individually or in groups. The turtle graphics give the student control over the distance of lines forward or backward, right/left or 360 degree turns and gives the ability to move without drawing a line. The student can change the lines, sprites and background to any of 16 colors while participating in the many LOGO II based learning exercises.

Unlike TI LOGO, the new and expanded TI LOGO II includes:

- music with three voices and one noise generator.
- 5 predefined sprite shapes in the language—plus the option of student-defined sprite shapes.
- twice the user memory space.
- ability to address a printer through an RS 232 interface.

Requires 32K Memory Expansion. A disk memory is recommended for school use. Sug. retail $124.95.
16294 **Only $79.95**

"WRITE" YOUR OWN COMMAND MODULES

The Mini Memory Solid State Software™ Command Cartridge

Now you can increase the versatility of your Home Computer with the Mini Memory Command Cartridge. The cartridge provides additional memory for your system as well as important tools for program development. The cartridge contains a built-in battery so you can store data or programs you have written in TI BASIC or Assembly Language in the cartridge's Random Access Memory (RAM). This information is retained even when the computer console is turned off, or when the cartridge is removed.

The Mini Memory module contains a total of 14K bytes of memory. This memory consists of 6K bytes of Graphics Read Only Memory (GROM), 4K bytes of Read Only Memory (ROM), and the 4K bytes of RAM.
18674 **$79.95**

UCSD Pascal Version IV.0

UCSD Pascal is a highly structured efficient programming language that is faster, more logical, and substantially more powerful than TI BASIC.

With UCSD Pascal you can write more efficient programs on your Home Computer and you can take advantage of the many existing UCSD Pascal Programs with little if any, modification.

To run the UCSD p-System programs, TMS 9900 Assembly Language program which uses the p-System or Pascal requires the Peripheral Expansion System, Memory Expansion card and the P-Code card. Additionally, development of the p-System software requires the disk controller, at least one disk drive, and the applicable diskette software packages.

p-CODE CARD [illegible] Expansion Box, and 32K Me[illegible] NOT AVAILABLE [illegible]. retail $99.95.

UCSD-PASCAL COMPILER disk. Requires p-Code Card and at least one disk drive. Sug. retail $124.95.
18739 **Only $99.95**

UCSD p-SYSTEM ASSEMBLER/LINKER disk. Requirements same as Compiler. Sug. retail $99.95.
18743 **Only $79.95**

UCSD p-SYSTEM EDITOR/FILER/UTILITIES disk. Requirements same as Compiler. Sug. retail $74.95.
18758 **Only $59.95**

PASCAL DEVELOPMENT SYS[illegible] udes all of the above. 32K M[illegible] NOT AVAILABLE least one disk drive required. Sug. retail $499.95.

TI PILOT

TI PILOT is an easy to use language for developing and using Computer Assisted Instruction (CAI) lessons. For use by educators, TI PILOT is ideal for developing quizzes and other course exercises in a wide variety of subject areas.

Designed by CAI specialists specifically for use with the TI Home Computer, TI PILOT enables the programmer to have access to the Home Computer's unique instructional aids such as sprites, sound effects, and color graphics.

TI PILOT disk [illegible] pansion, and[illegible] NOT AVAILABLE [illegible]2K Memory Expansion. retail $79.95.

TMS 9900 Microprocessor Assembly Language

With the aid of the Editor/Assembler Command Cartridge, the UCSD p-System Assembler/Linker diskette, or the TI Mini Memory Command Cartridge, you can write programs in the powerful assembly language of the TMS 9900 microprocessor in your Home Computer. TMS 9900 Assembly Language is the fastest, most efficient language you can write in for the Home Computer because it "speaks" directly to the computer on the machine level. Communicating on the machine level gives you complete access to all system features, such as sound, speech, graphics, and I/O, as well as providing the highest speed possible for the Home Computer's 16-bit microprocessor. Your Assembly programs can be written to run in conjunction with TI BASIC, TI Extended BASIC, and Pascal programs, or as Stand-Alone applications.

You can write, link and run TMS 9900 Assembly Language programs and routines by using the line-by-line Assembler included on cassette with the TI Mini Memory Command Cartridge. Other peripherals are supported but not necessary with the Mini Memory Assembler.

The TMS 9900 Microprocessor Editor/Assembler Command Cartridge requires—the Peripheral Expansion System, Memory Expansion Card, and Disk Memory System with at least one Disk Drive. Also available is a diskette containing the Assembler/Linker for the UCSD p-System.

EDITOR/ASSEMBLER COMMAND MODULE. Requires 32K Memory Expansion and at least one disk drive. Sug. retail $39.95.
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CP/M. Now your TI **really** means business! Just plug this CP/M processor card into your Peripheral Expansion Box and you have the capabilities of the industry business standard CP/M format. Access more than 10,000 commercially available software packages (TI disk format required). CP/M users manual included. 64K RAM included. Peripheral Expansion Box, 32K Memory Expansion, and at least one disk drive required.
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Antistatic, transluscent, 8 gauge vinyl dustcovers, sewn to our exacting standards with reinforced seams. These top quality equipment covers will help prevent damage from dust and moisture, providing years of protection for your valuable system... and at a discount price!

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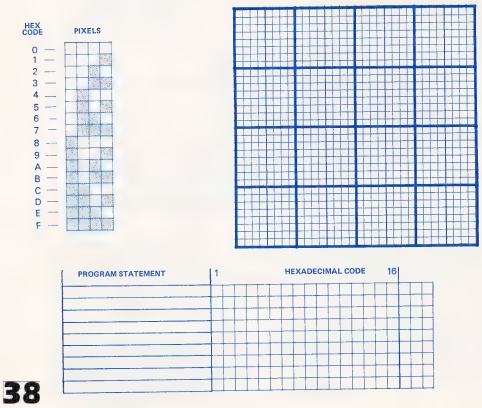
GRAPHIC DESIGN FORMS



Even Michaelangelo needed assistants. Let these design aids help you lay out tables and titles, sprites and bytes. Produced by us specifically for the TI 99/4A system graphics. Printed in light blue on quality 8-1/2 x 11 inch paper in convenient packages of 40 sheets each.

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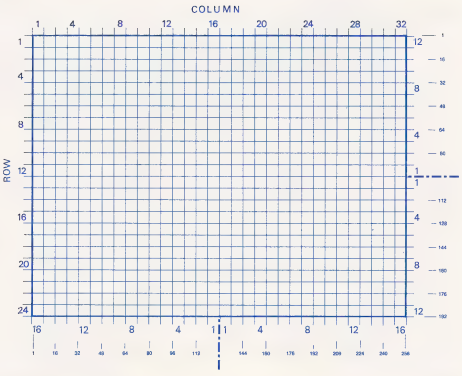

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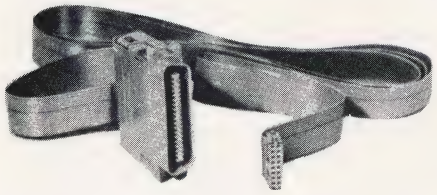
THE CABLE STABLE

All you need to get data from here . . . to there. All top quality.

Parallel Printer Cables

Guaranteed to work with the appropriate printer! Simply plug one end into the 16 pin parallel connector on TI's RS-232 Interface Card and the other end to the 36 pin "Centronics" type connector on most all parallel printers. Then print away! All lengths are five feet unless noted.



PARALLEL CABLE—STANDARD. For all of the following printers with parallel inputs: Epson (all models), Star-Micronics (all models), **TI, Prowriter, Gorilla, Mannesman Tally, and many more!**
10021 Five foot length **$24.95**
22243 Ten foot length **$34.95**

PARALLEL CABLE—OKIDATA. Contains interface electronics within the connector housing to adapt the 99/4A to any Okidata printer. Five foot length.
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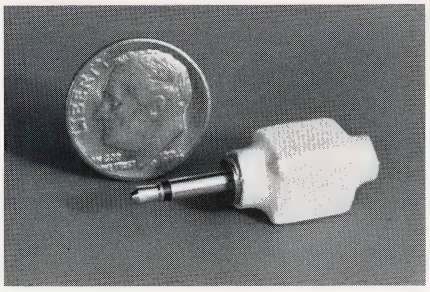
PARALLEL CABLE—TP-I & TP-II. Contains interface electronics within the connector housing to adapt the 99/4A to Smith Corona TP-I and TP-II printers.
10040 **$37.95**

Cassette Adapter



If your present cassette recorder's tape drive isn't turned on and off when connected to your 99/4A, it's probably because the polarity of the remote control is wrong. Simply plug in our adapter to your recorder's remote jack and then plug in your cassette cable. It's a lot cheaper than a new cassette recorder — guaranteed.
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microPal

RS-232 CABLE. For connecting to the 25 pin female serial (or RS-232) port on the RS-232 Expansion Card to any RS-232 standard devices: printers with serial inputs, modems, etc. Cable is standard at a five-foot length, 25 conductors, and terminated at each end with 25 pin, male "D" connectors.
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"Y" CABLE. Allows use of both serial ports from the serial connector on the RS-232 Interface Card. The cable has a single 25 pin male connector going to the RS-232 Card and two 25 pin female connectors for up to two serial peripherals. Standard length is one foot for one branch of the "Y" and five feet for the other.
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CASSETTE CABLE—SINGLE. Connects a standard "shoebox" type cassette tape recorder with three inputs for microphone, external speaker, and remote control.
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MONITOR CABLE 1 will interface 99/4A console to the following monitors: NEC, USI, SMD, BMC, Amdek, Taxan, Comrex, Zenith, Transtar, Panasonic, etc.
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MONITOR CABLE 5 will interface 99/4A console to the following monitors: **Sakata**, NEC, USI, BMC, Taxan, Zenith, Transtar, Commodore 1701, Panasonic, etc.
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PROTECT FROM POWER SURGES!

End Cable Clutter!

OUTLET STRIP. Convenient and safe way to provide plenty of electrical power to your system. Six rugged, grounded outlets with pilot light, circuit breaker, and on-off switch. Mounted in a sturdy metal case with a six-foot power cord and three-prong plug. Underwriter's Laboratory listed. Rated at 15 amps, 125 volts. Attractive beige top, woodgrain side panels.
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SURGE SUPPRESSOR OUTLET STRIP. Similar to above strip, but with additional circuitry that protects your valuable system from destructive power line surges resulting from lightening strikes, etc. Protects against both normal-mode surges and common-mode surges. Unique automatic shutdown mechanism prevents operation of unit in the event of suppressor circuit failure.
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The Case for the 99/4A

$59.95

Whether you're looking for safe storage or safe transportation this rugged case is for you! All you need to add is a television or monitor. The thick, shock absorbent foam liner neatly holds: console, A/C adapter, RF modulator, TI joysticks, speech synthesizer, cassette recorder and seven modules (or cassettes). The tough outer construction includes locking latches.
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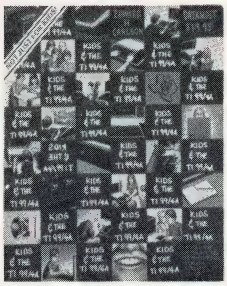
BOOKS



KIDS AND THE TI 99/4A

by Edward H. Carlson

Learning Basic and the magic tricks of the computer can be great fun—so why learn it any other way?

The drawings help you understand and remember the material—so you'll be writing your own programs by lesson five and forever after.

Example programs are easy to understand and useful to have. Your own programs can be easily made by combining parts from the programs in this book.

YOU WILL QUICKLY LEARN:

TO write computer music.
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TO create games and quizzes.
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AND BEST OF ALL ITS FUN

KIDS CAN DO IT... SO WHY NOT YOU?

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by G. McWhorter. An ordinary calculator is used as the springboard into the world of today's electronic devices, circuits, and systems. What they are. What they do and how they are used. Learn about the current electronic revolution. Part of the TI Understanding Series books. 261 pages, soft cover, 1978.

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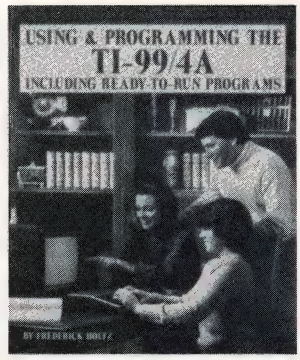

USING AND PROGRAMMING THE TI-99/4A, INCLUDING READY-TO-RUN PROGRAMS

by Fredrick Holtz

You'll find complete, hands-on guidance in every phase of TI-99/4A operation including easy-to-follow information on its architecture, machine capabilities (including movable typewriter-style keyboard, color, sprite graphics, and sound!), TI BASIC programming, available peripherals, and pre-packaged software! There are **twelve** highly useful, ready-to-run programs for your TI-99/4A that will get you started using your new micro right away! Plus, there's all the information you need to start writing your own **original** programs!

Whether you're sitting down to a computer for the first time, or you have some experience operating other micro machines, this book has the answers to all your computing questions, all the careful step-by-step instructions you need to get the most use from the TI-99/4A: handling your personal finances, taking care of house-hold record-keeping chores, helping your children with their homework, or simply exploring the graphics and sound capabilities of your machine.

The ready-to-run programs include a numbers guessing game, a loan calculation program, a test-grading program for teachers, an alphabetizing program, math practice, even music writing exercises. Each one is designed to run on your basic machine—using only the console, keyboard, 16K of resident RAM, and the video modulator—without extra add-ons or peripheral devices.

216 pages, softcover.

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PROGRAMMING DISCOVERY IN TI LOGO

Developed by the staff of the TI Learning Center, this book is a student guide for an introductory course in TI LOGO. It is written in clear, simple language and is filled with humorous illustrations. Softcover, 32 pages.

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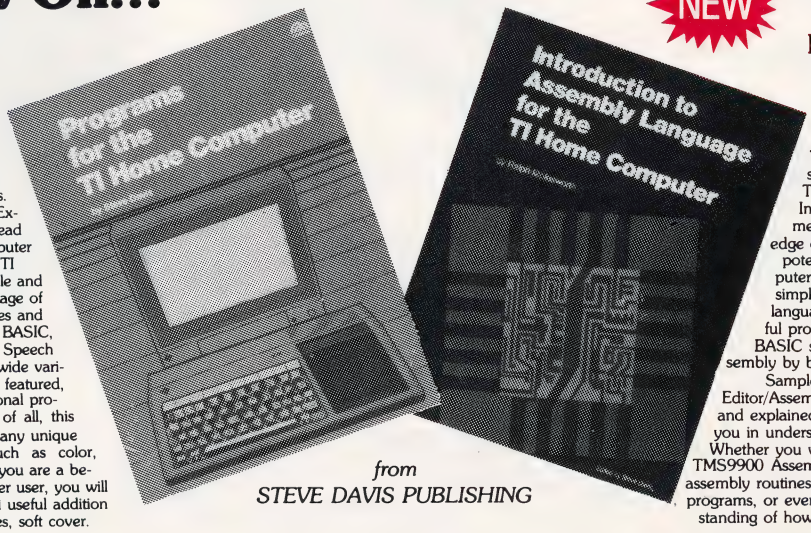
Two to Grow On...

Programs for the TI Home Computer

by Steve Davis

At last, here is a book of programs written especially for users of the popular Texas Instruments 99/4 and 99/4A home Computers. Fifty unique programs in TI BASIC and TI Extended BASIC are presented in an easy-to-read format, ready for you to type into your computer and use. Most of the programs are listed in TI BASIC and may be used with just the console and a cassette recorder, while others take advantage of the special capabilities of optional TI modules and peripheral equipment, such as TI Extended BASIC, Mini-Memory, Terminal Emulator II, the TI Speech Synthesizer, a printer or the disk system. A wide variety of programs for home applications are featured, including games and entertainment, educational programs, programming aids and more. Best of all, this volume offers programs that highlight the many unique features of the TI Home Computer, such as color, graphics, music, sound or speech. Whether you are a beginner or an experienced TI Home Computer user, you will find this collection to be an entertaining and useful addition to your program library. 8½x11, 128 pages, soft cover.

10209 **$14.95**



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NEW

Introduction to Assembly Language for the TI Home Computer

by Ralph Molesworth

This introductory text offers step-by-step instruction in getting started with the powerful TMS9900 Assembly Language for the Texas Instruments Home Computer. It is written to meet the needs of the beginner with a knowledge of TI BASIC who wishes to unlock the vast potential and speed of this popular 16-bit computer. This is an easy-to-read tutorial presenting simple-to-follow progressive steps from assembly language basics to the design and coding of useful programs and subroutines. Comparisons to TI BASIC statements help to teach you TMS9900 Assembly by building on your BASIC programming skills. Sample programs that can be entered with the TI Editor/Assembler or Mini-Memory modules are included and explained in detail. Charts, tables and diagrams aid you in understanding and are useful for future reference. Whether you wish to learn to write complete programs in TMS9900 Assembly Language, if you want to incorporate assembly routines into your TI BASIC and Extended BASIC programs, or even if you just wish to acquire a better understanding of how your TI Home Computer works, this book will help you.

21880 **$16.95**

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TI 99/4A TECHNICAL DATA MANUAL
A useful aid for the technically inclined user or tinkerer.
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USER'S REFERENCE GUIDE
by TI Staff. One is packaged with the 99/4A console. Care and use of the Home Computer with explicit summaries of TI Basic commands. 208 pages, loose bound, 1979.
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by H.D. Pecham. Goes beyond "Beginner's Basic" furnished with the 99/4A console. A friendly, relaxed tutorial guide to the full range and power of TI Basic, including color graphics and sound. 320 pages, soft cover.
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This book assumes you know nothing about computers and introduces you to your machine and its basic components. Provides step by step instructions on how to set up your computer, how to get it running, and how to handle problems you may run into. Also gives information on how to modify programs published in books and magazines, and where to look for more information. Softbound, 124 pages.
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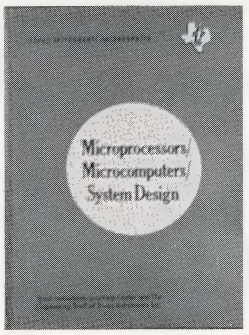

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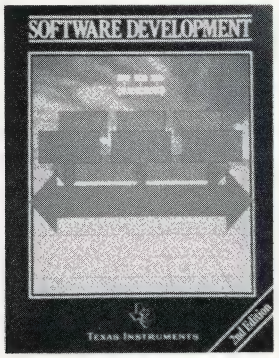

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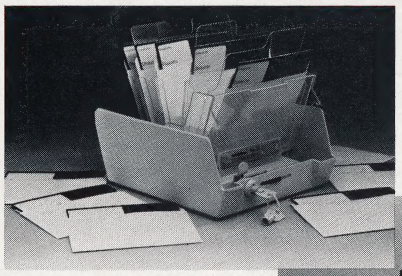

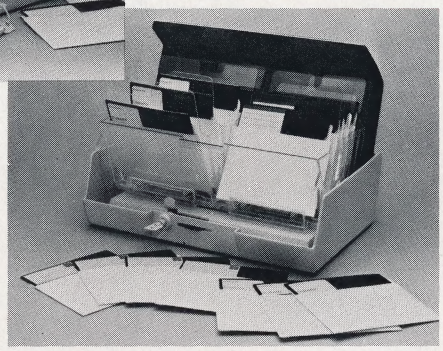

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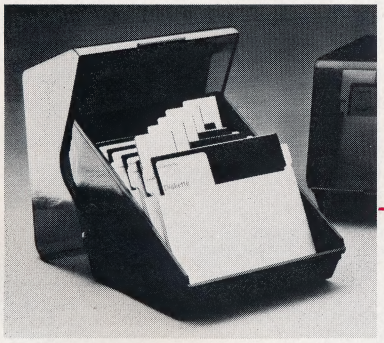

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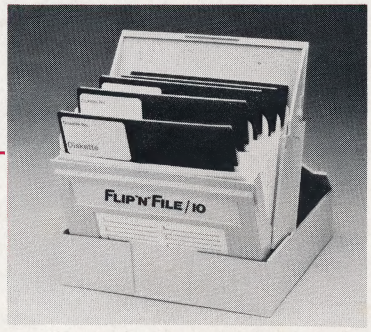

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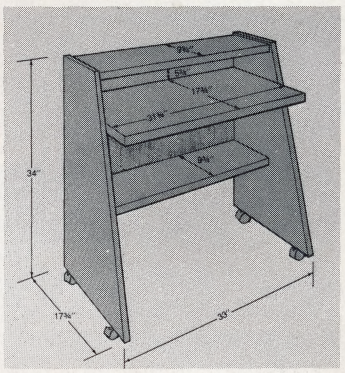

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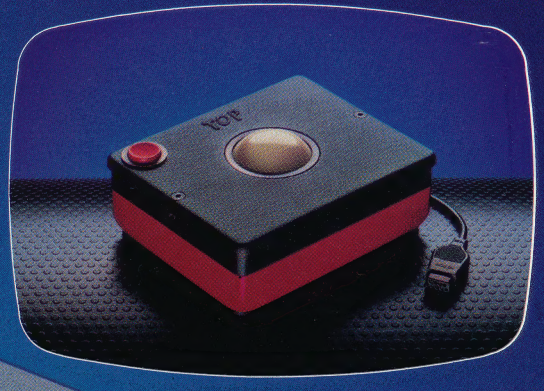

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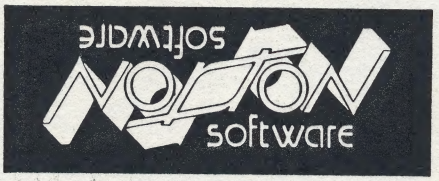

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